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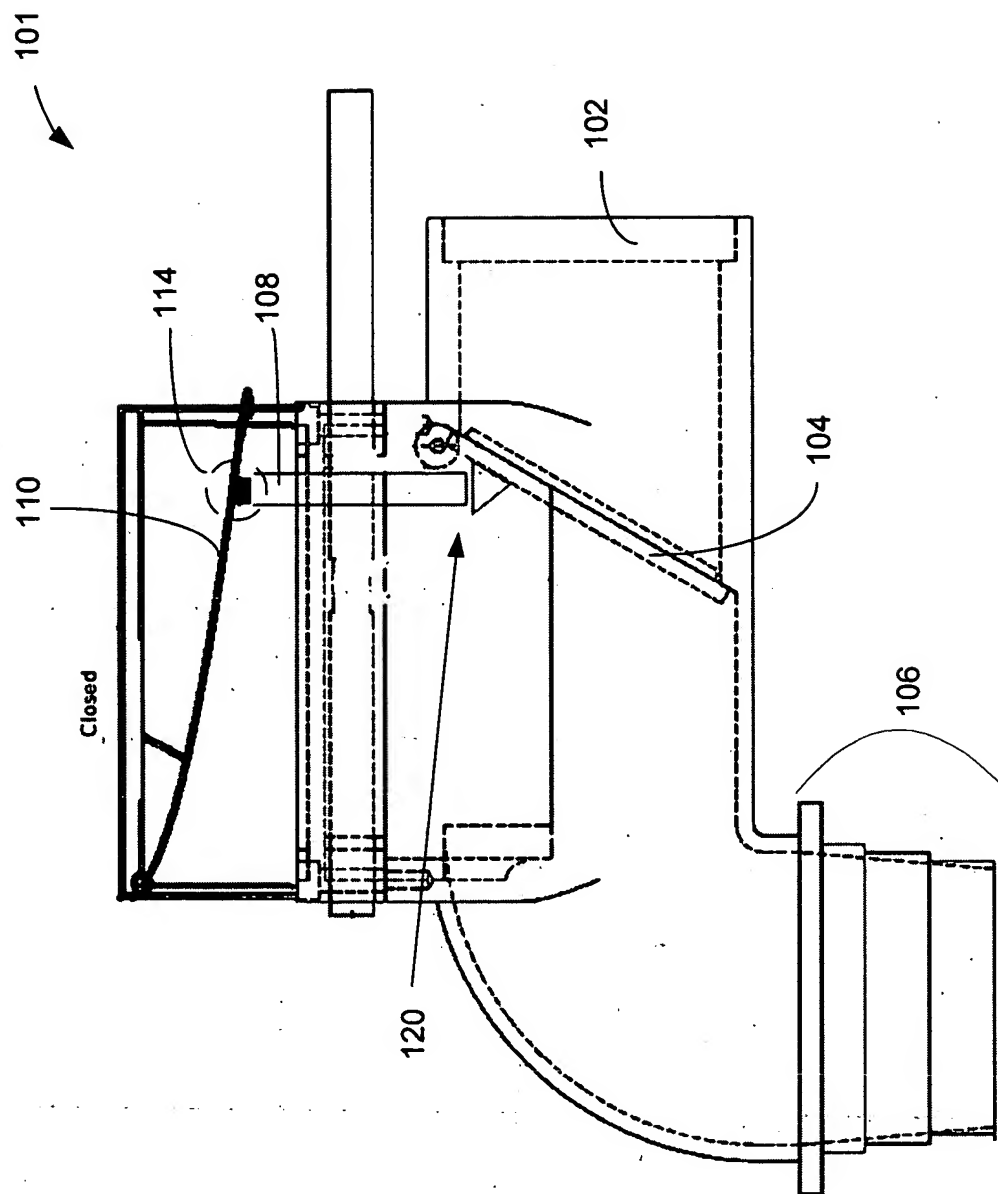


FIG. 1

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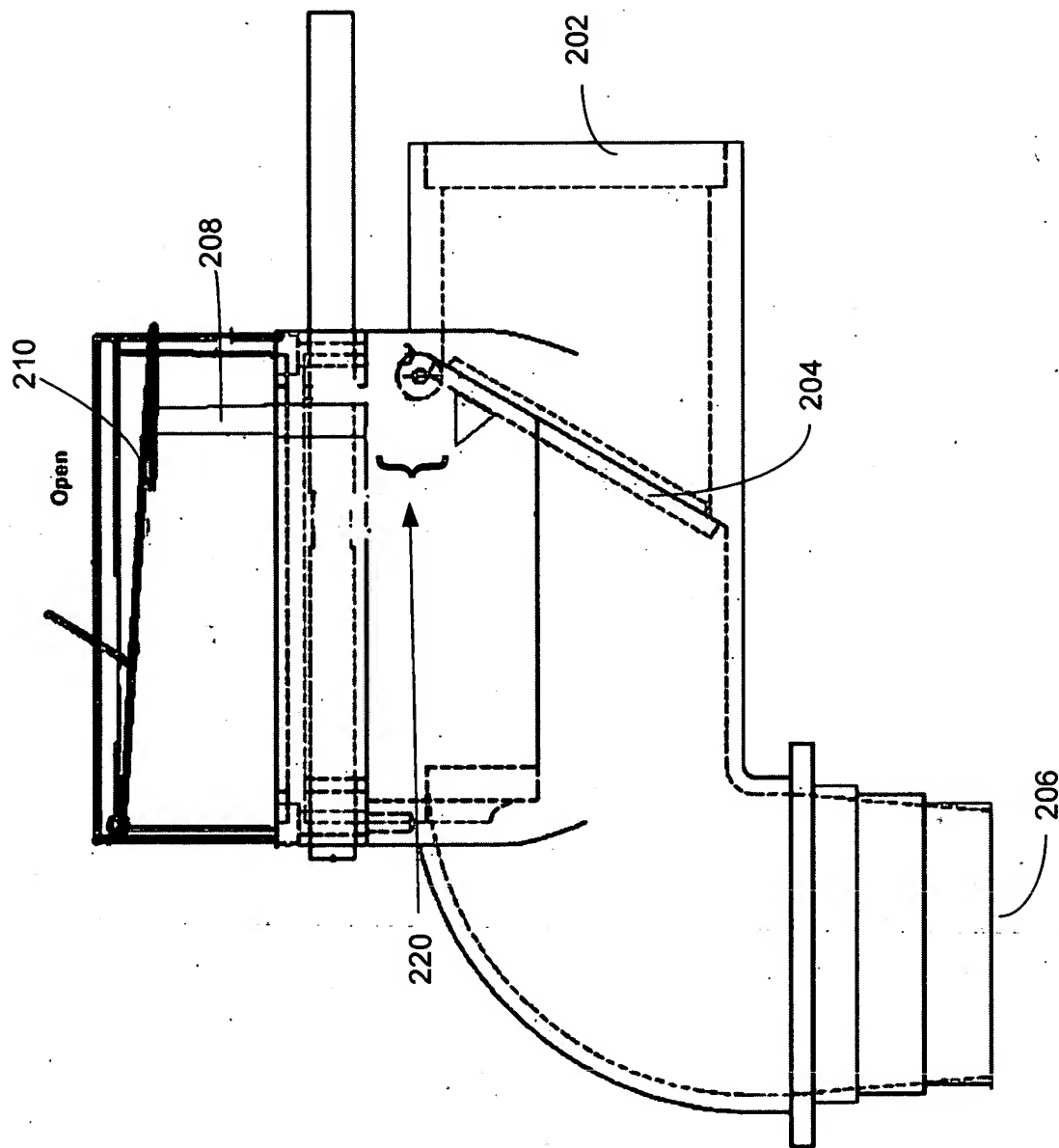


FIG. 2

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Checklist Comparison

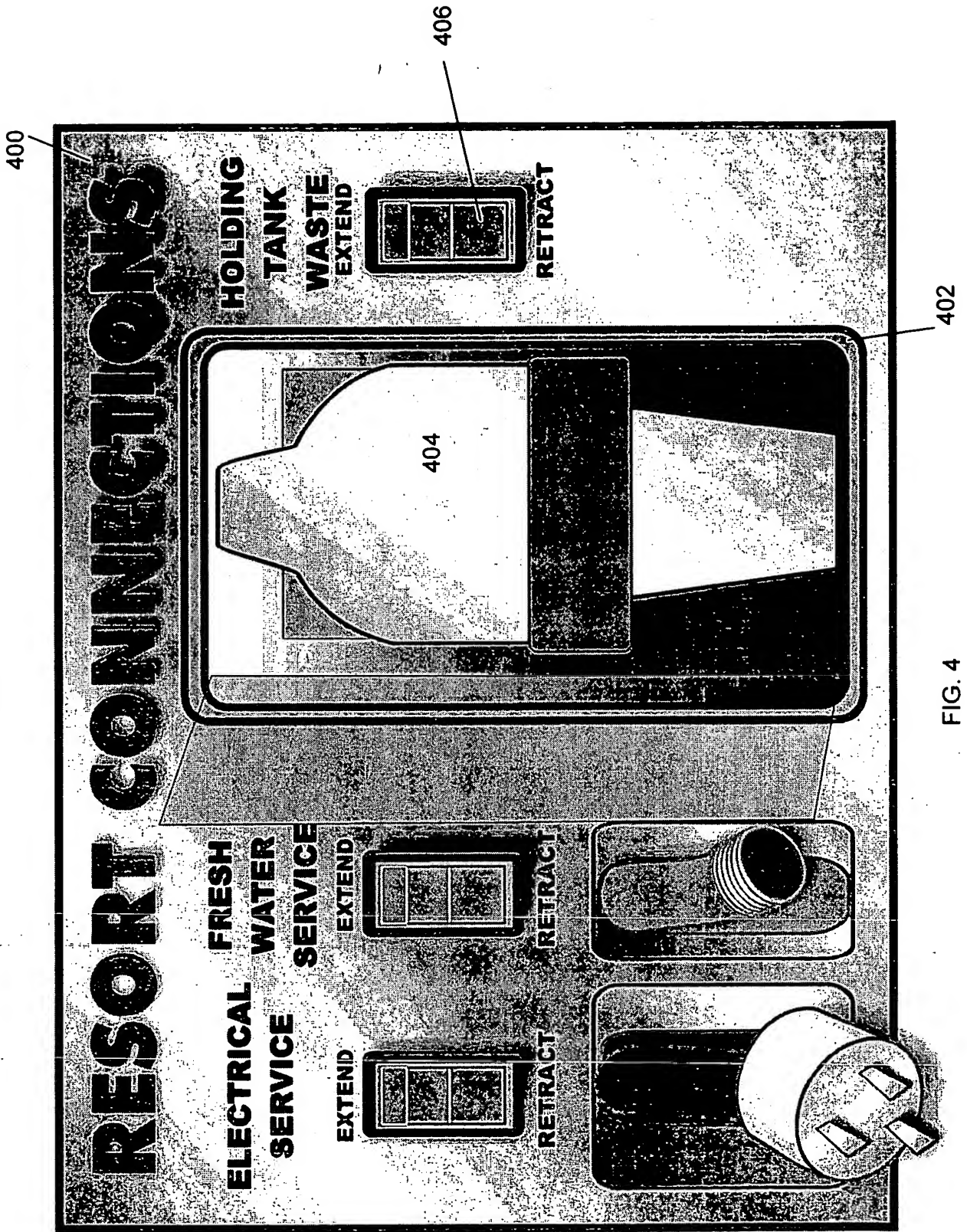
Standard Approach

- Remove RV Dump Cap
- Connect Sewer Hose to RV
- Connect Hose to Sewer
- Open Black Water Valve
- Flush Black Water Tank
- Close Black Water Tank
- Open Gray Water Tank
- Flush Gray Water Tank
- Close Gray Water Tank
- Disconnect Hose From RV
- Rinse Hose with Fresh Water
- Elevate and Drain Sewer Hose
- Disconnect Hose from Sewer
- Rinse Sewer End of Hose
- Rinse Dump Apron Area
- Stow Sewer Hose
- Place Additive in Black Water Tank via Stool

Invention Approach

- Open Hose Nozzle Hatch
- Pull Hose Nozzle and Place in Sewer
- Release Latch on Hose Nozzle
- Activate Dumping
- Close Latch on Hose Nozzle
- Remove Hose Nozzle from Sewer
- Retract Hose
- Close Hose Nozzle Hatch
- Button Activates Drain Master Additive Injection System Adding Measured Quantity of Tank Additive to Black water and Gray Water Tanks

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Hose Nozzle

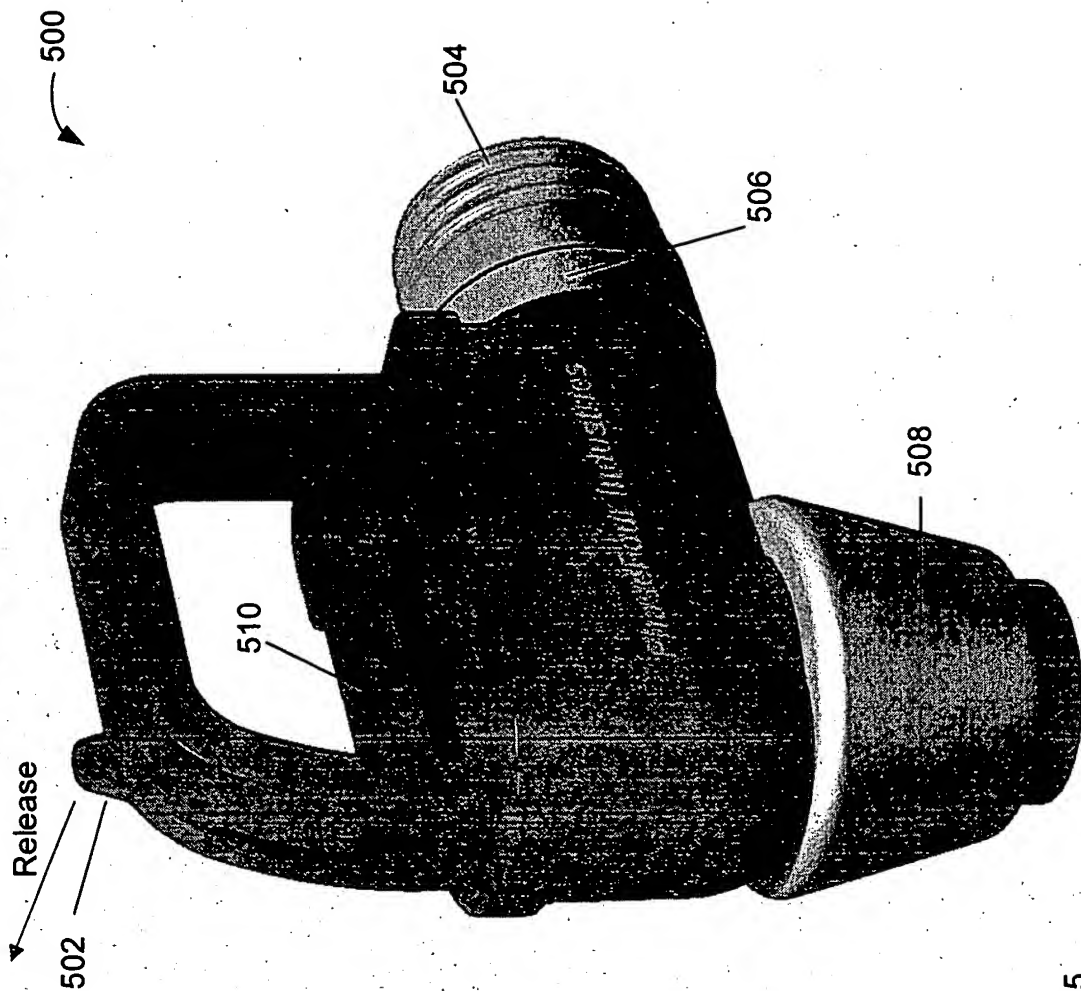


FIG. 5

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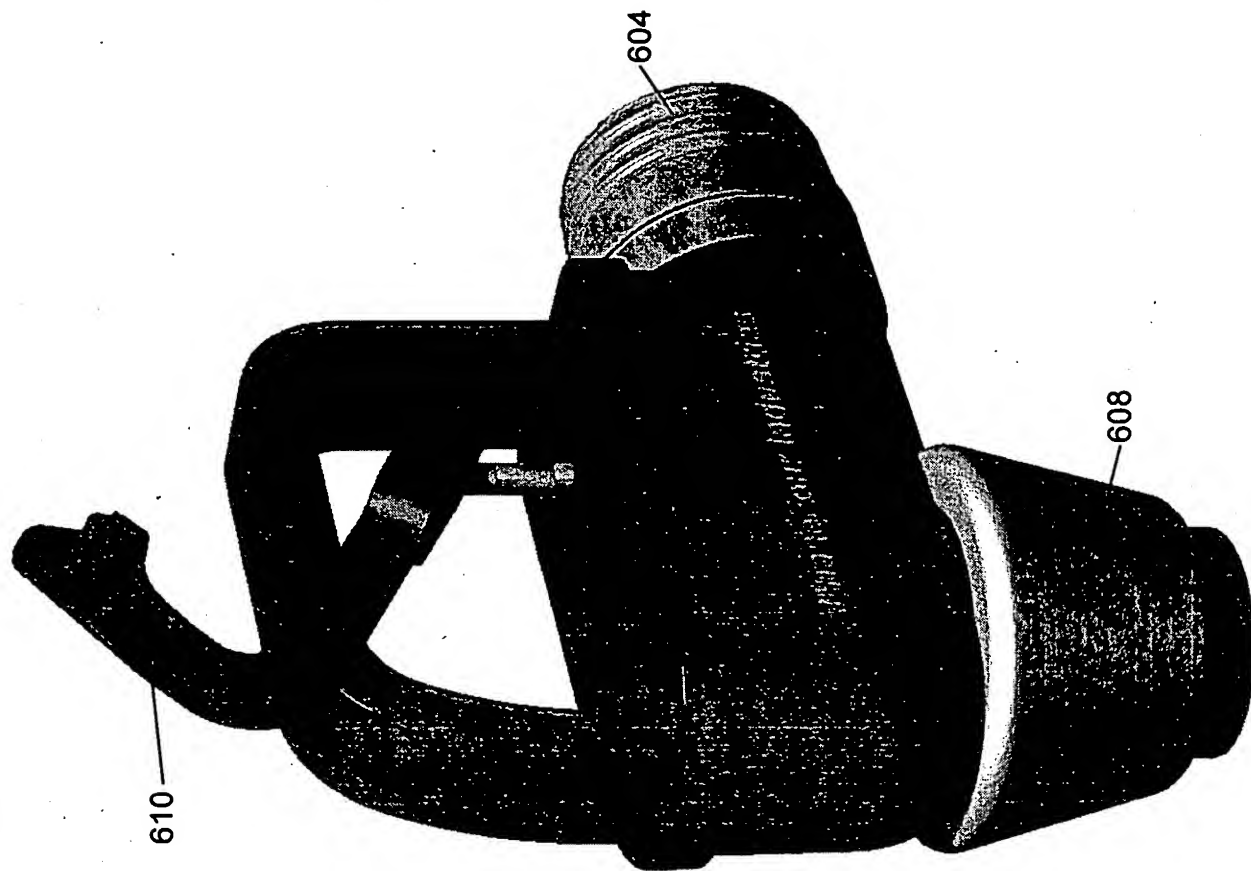


FIG. 6

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Nozzle Compartment

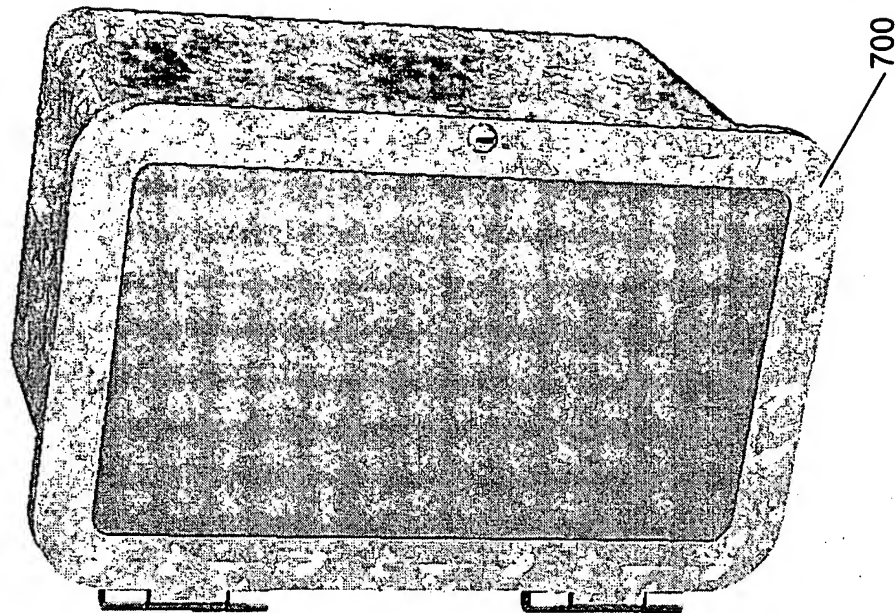


FIG. 7

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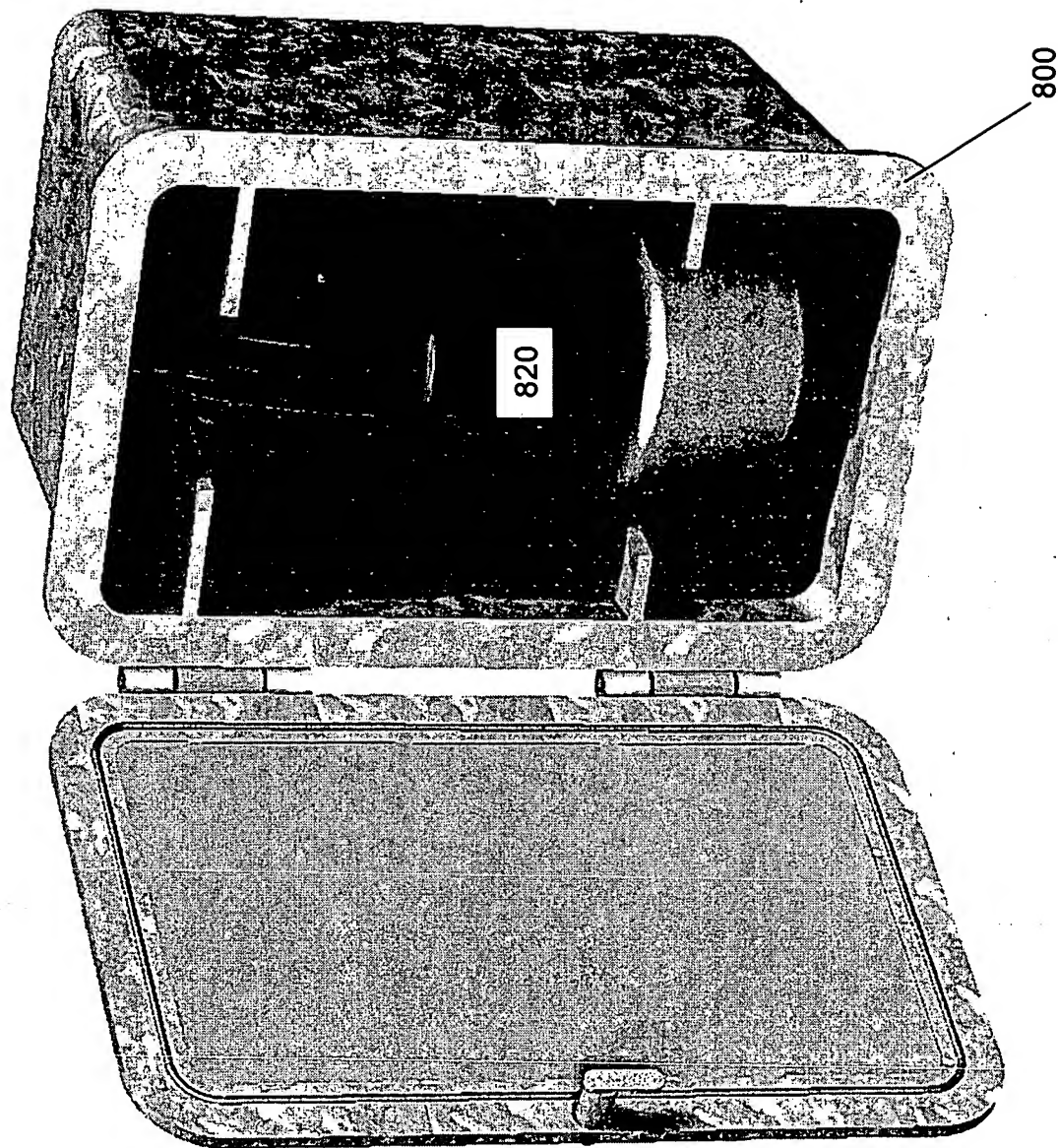


FIG. 8

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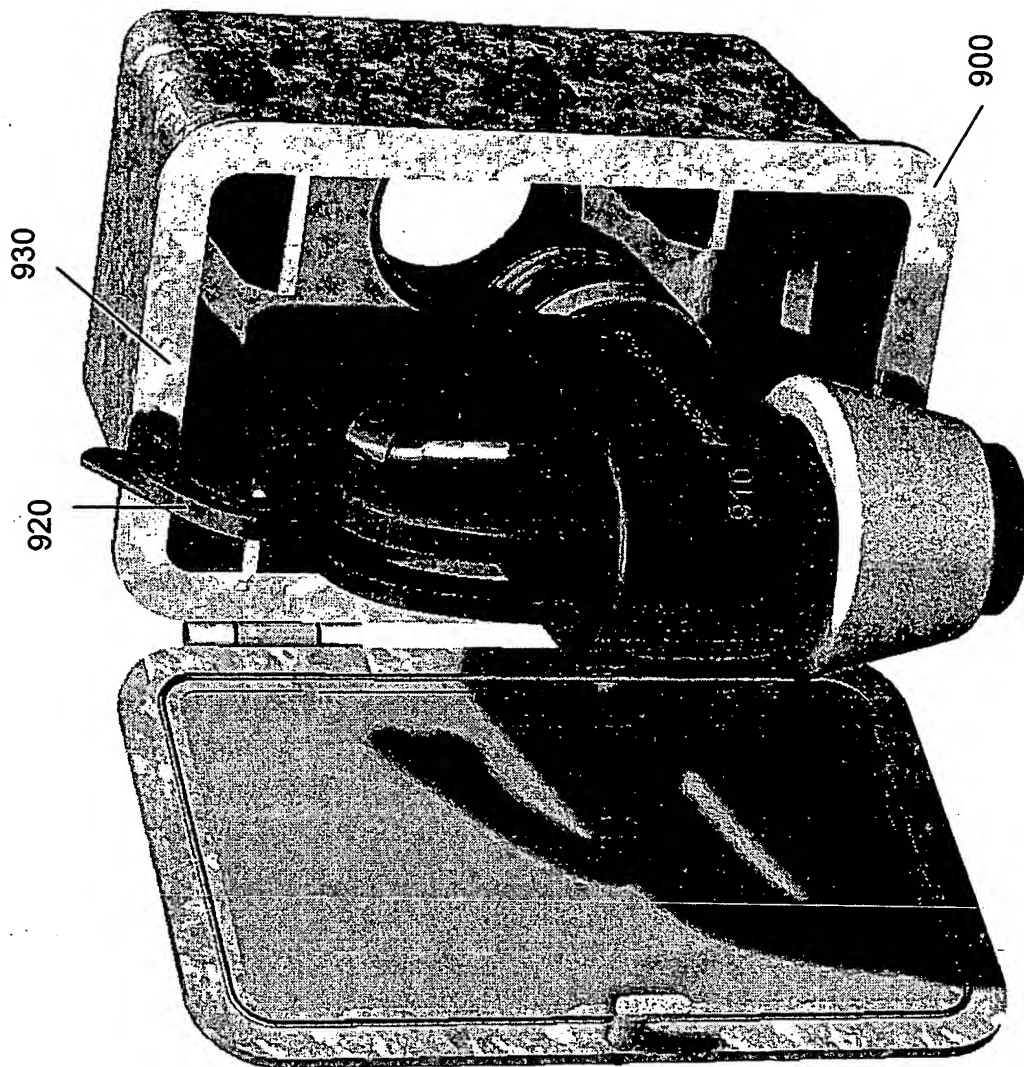


FIG. 9

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Passenger Side of RV

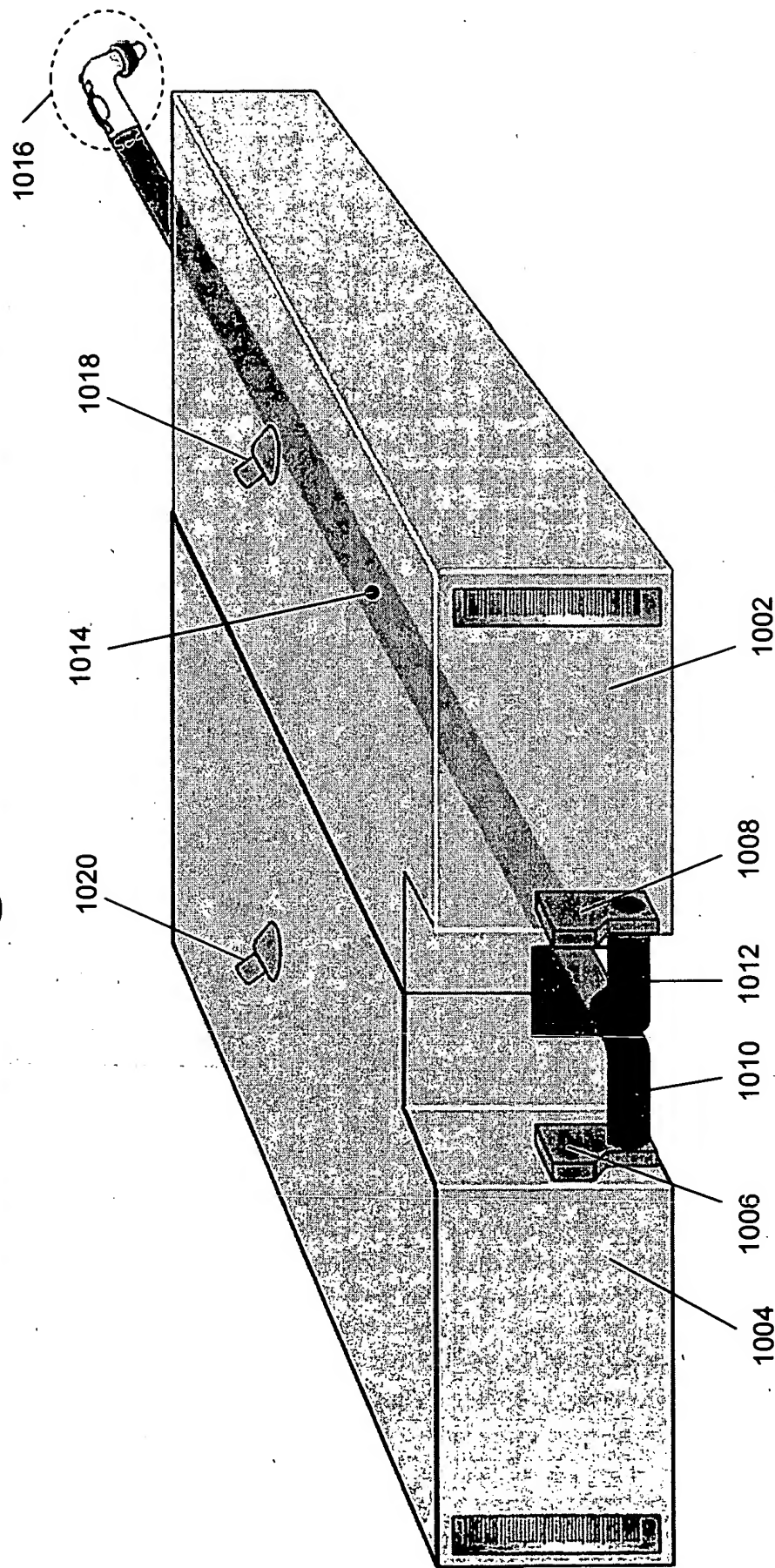


FIG. 10

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Driver Side of RV

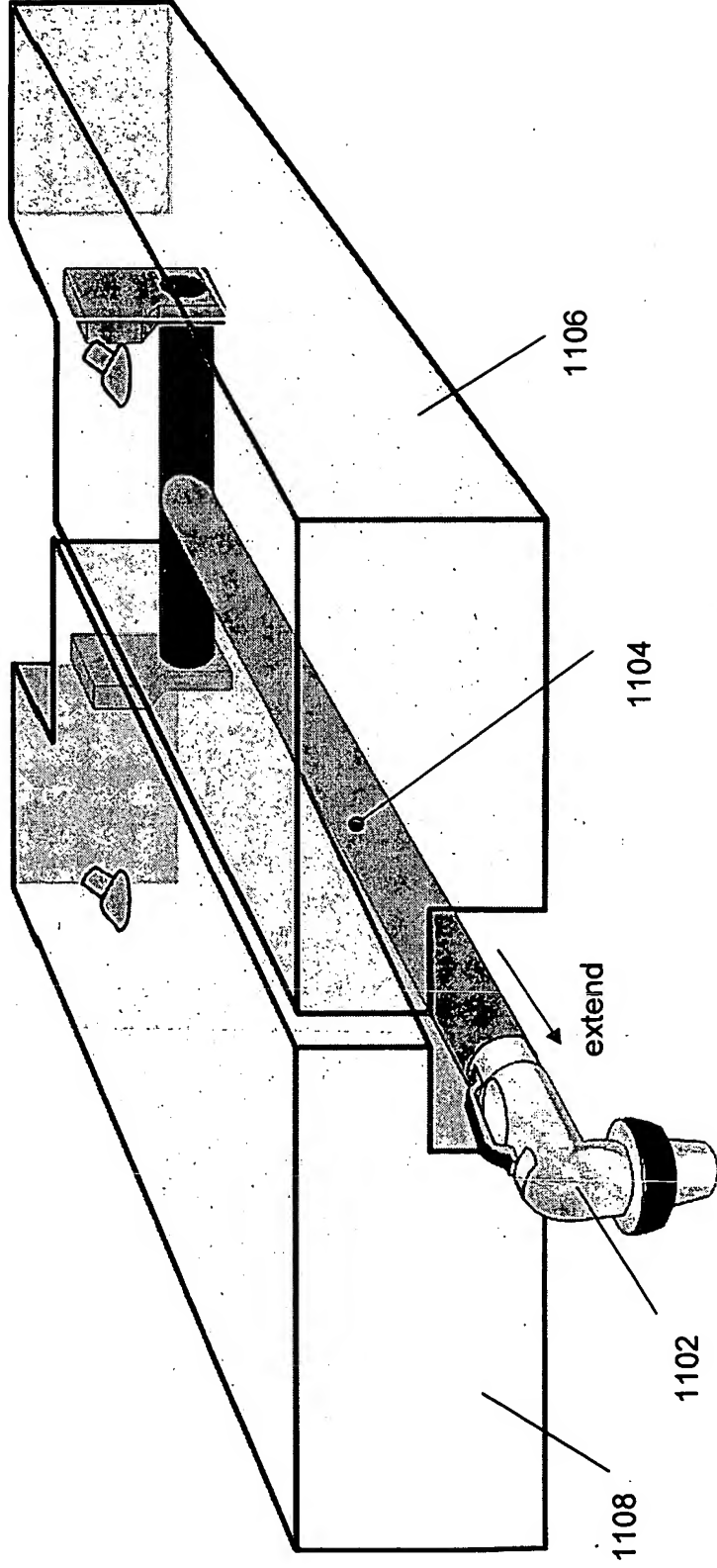


FIG. 11

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Passenger Side of RV

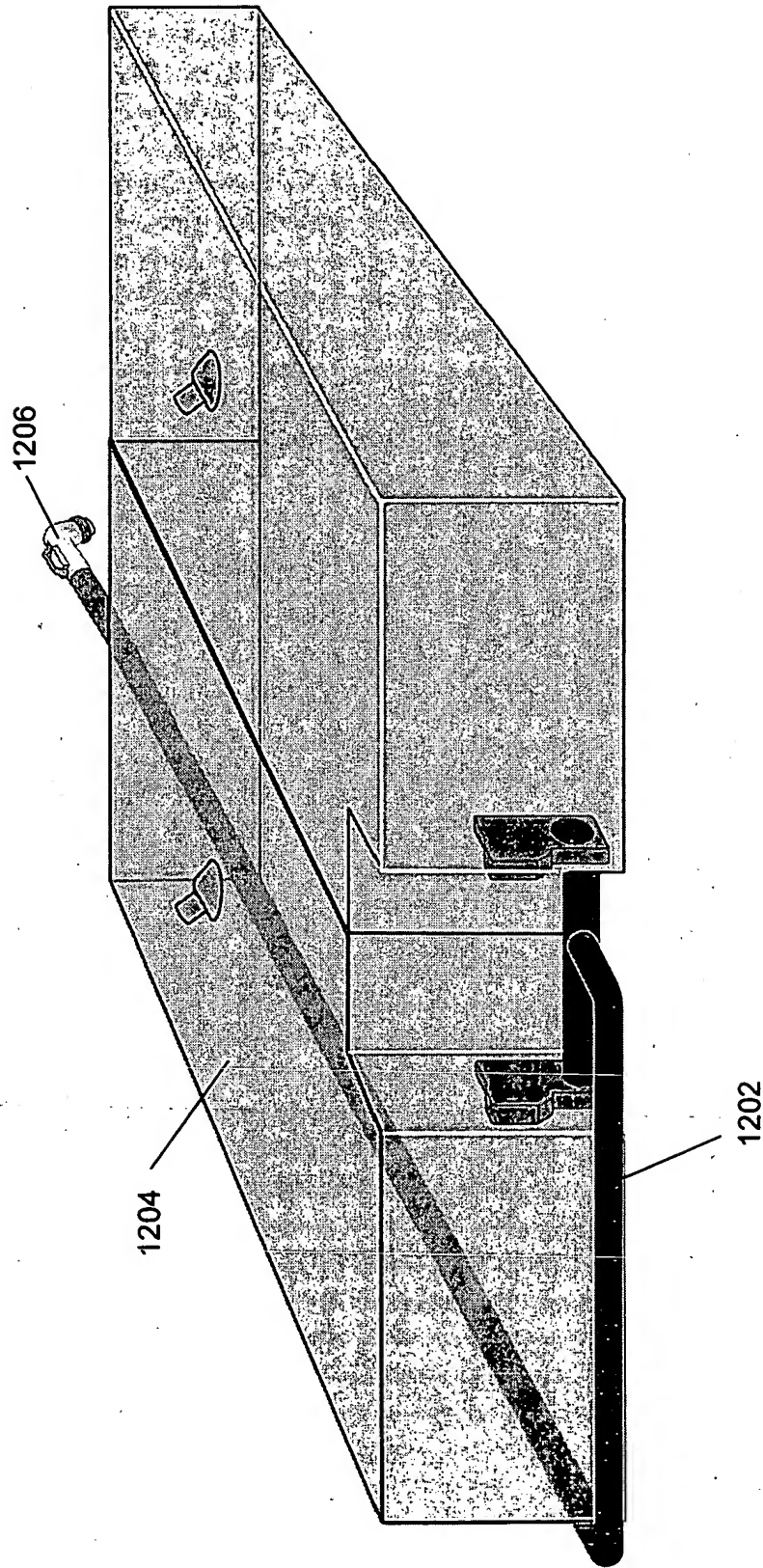


FIG. 12

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Waste Master System Control Panel

F	Fresh Water		Monitor	Water Pump
7/8	Gray Water / Galley		on / off	on / off
3/4	Gray Water / Bath			
1/2	Black Water			
3/8	LP Gas			
1/4	Batteries			
1/8				
E				
Status			on / off	on / off

1302

Service Utilities	Electric Cable	WaterHose	Sewer Hose
on / off	In / out	In / out	In / out

1304

Notes:

Service Utilities and Waste Controls switches are master switches controlling thrie own group of switch sets

Inside display is a monitor only panel
 Waste Control switches Push once, then again to activate.

Gray Tank #1 Valve	Black Tank Valve
Open / Close	Open / Close
Gray Tank #2 Valve	
Open / Close	
Waste Controls	
on / off	

1306

1308

Inside Monitor Panel

F	Fresh Water	Service Utilities	Waste Control
7/8	Gray Water / Galley	OUT	OPEN / ON
3/4	Gray Water / Bath	Electric Cable	Gray Valve
6/8	Black Water	Water Hose	Black Valve
1/2	LP Gas	Waste Nozzle	
3/8	Batteries		
1/4			
1/8			
E			
Status	Monitor		
	on / off		
	Water Pump		
	on / off		

FIG. 13

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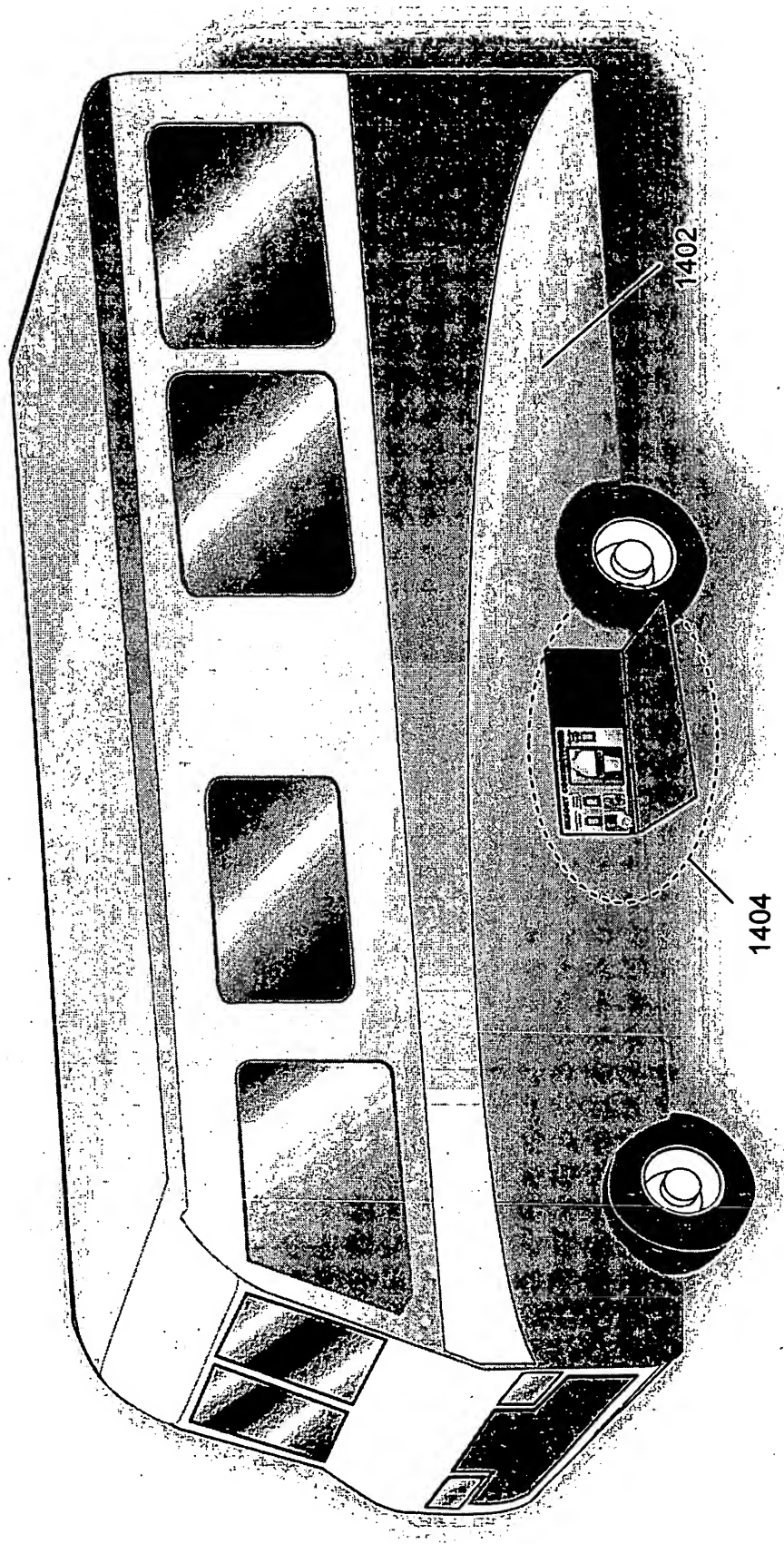


FIG. 14

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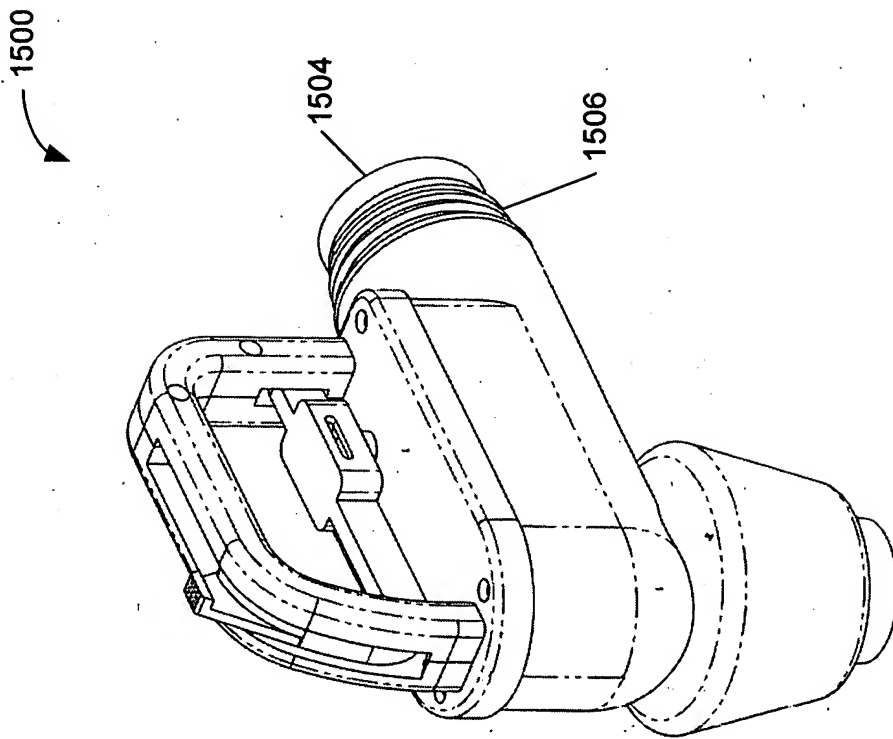


FIG. 15

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1600

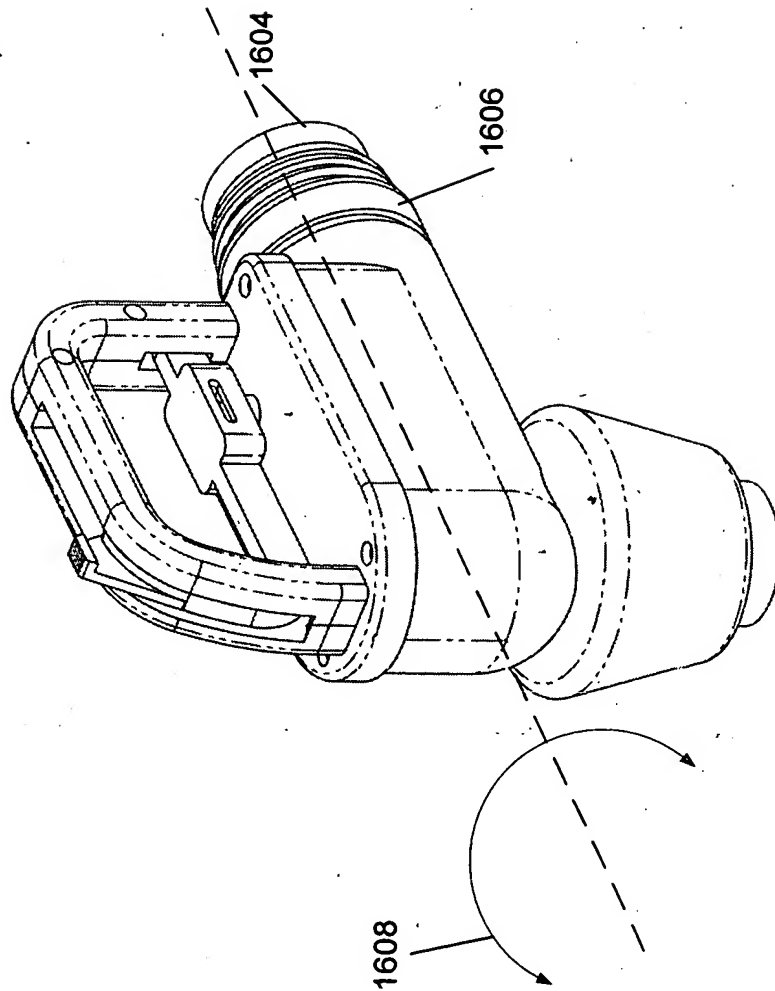


FIG. 16

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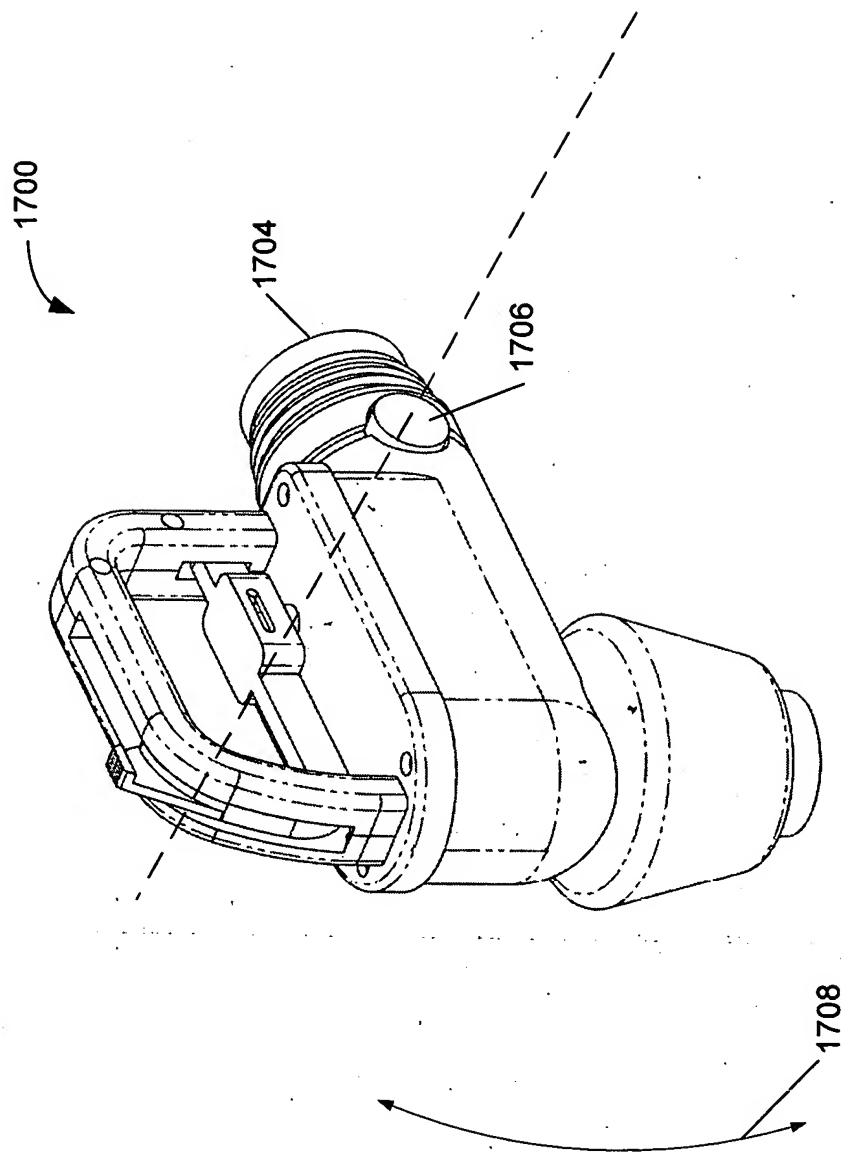


FIG. 17

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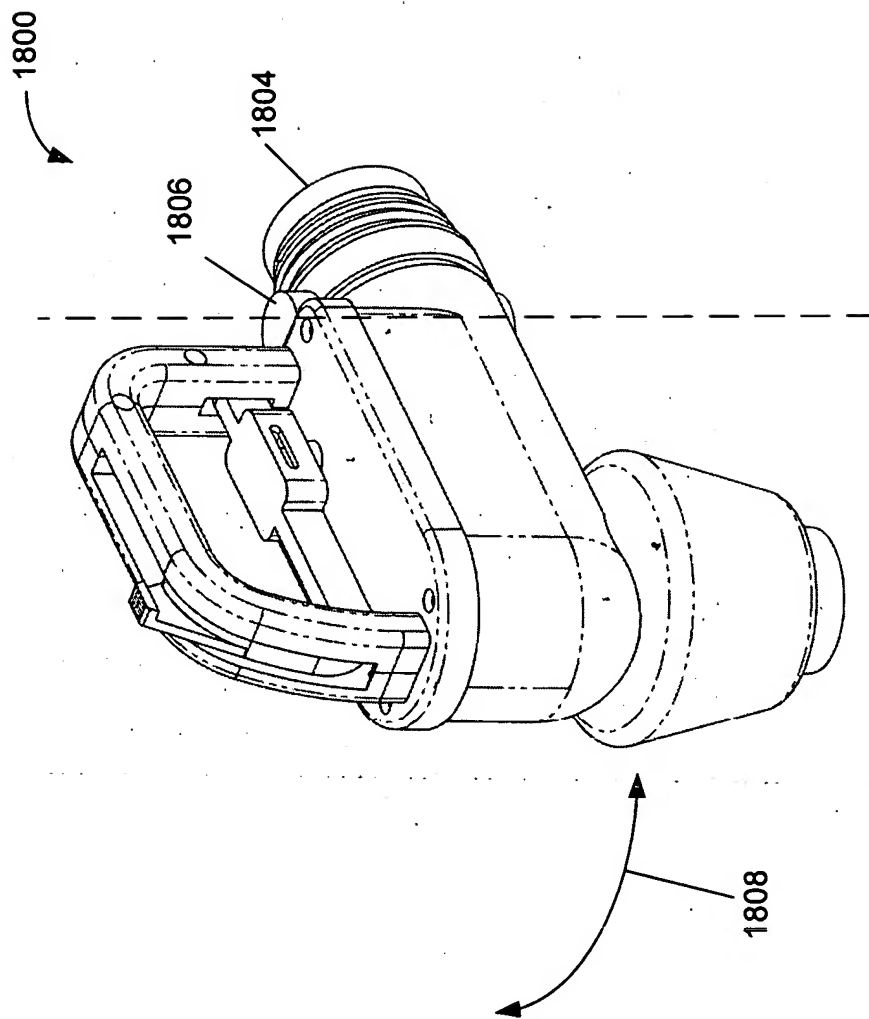


FIG. 18

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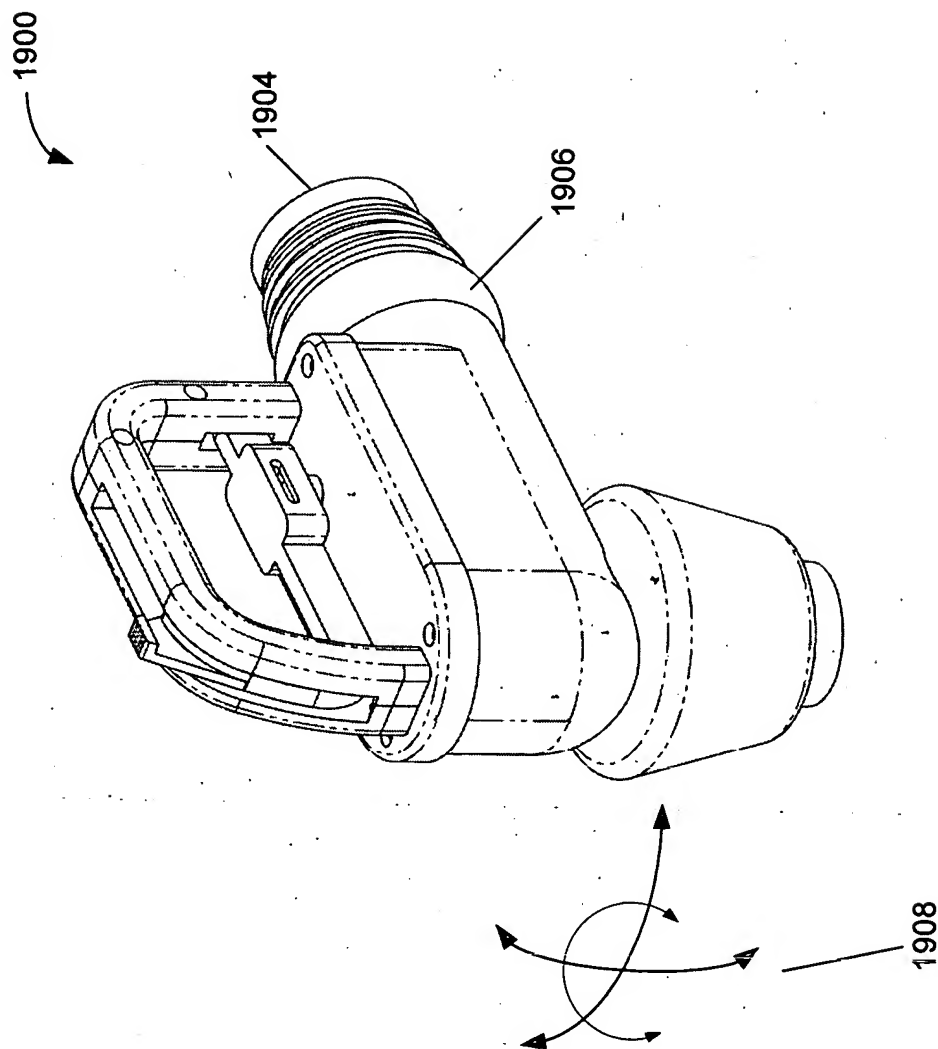


FIG. 19

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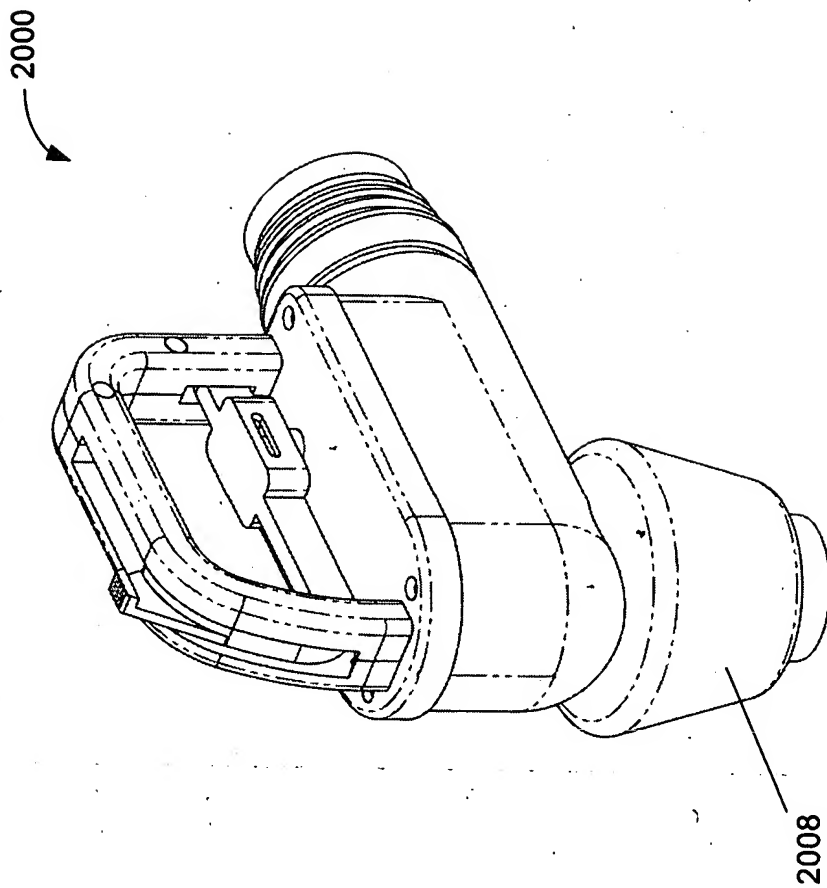


FIG. 20

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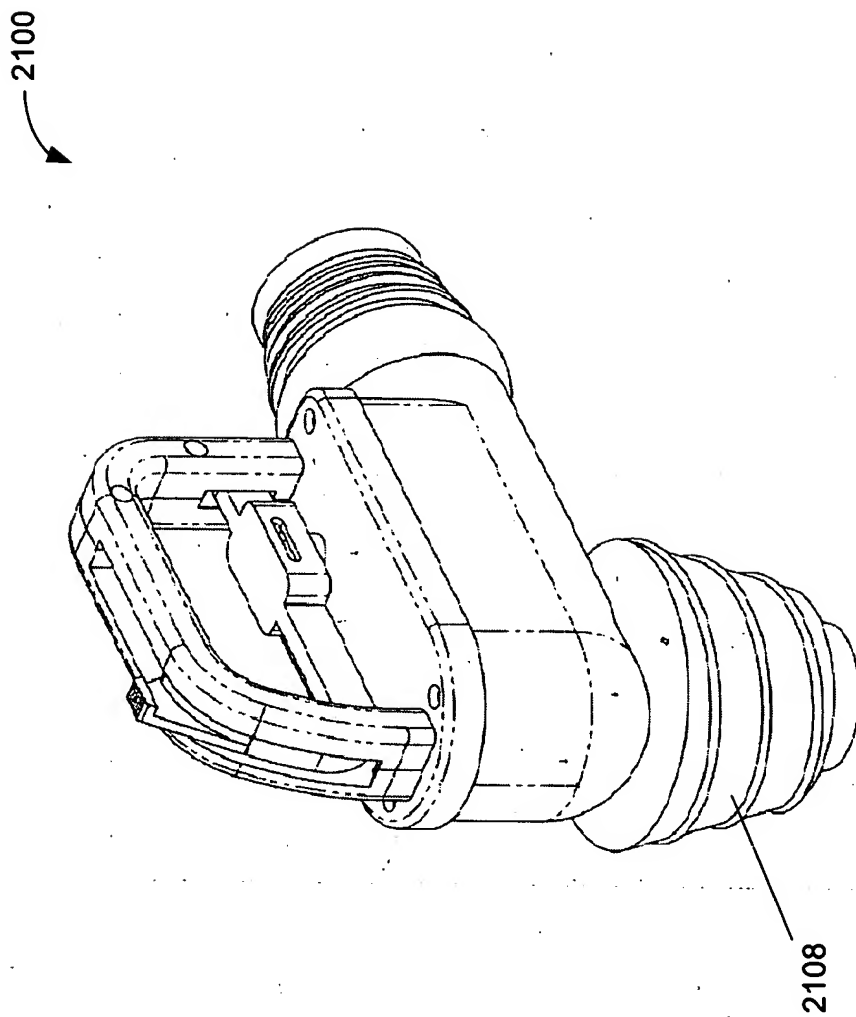
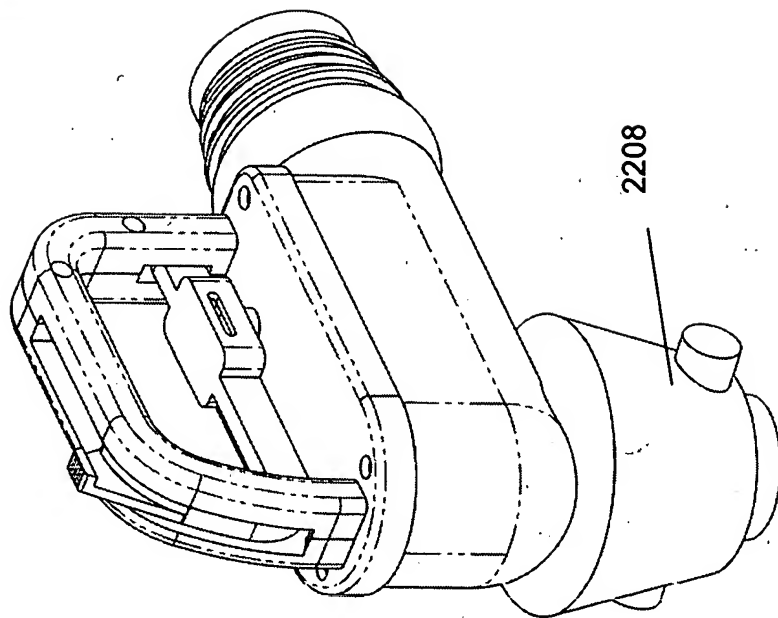


FIG. 21

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2200



2208

FIG. 22

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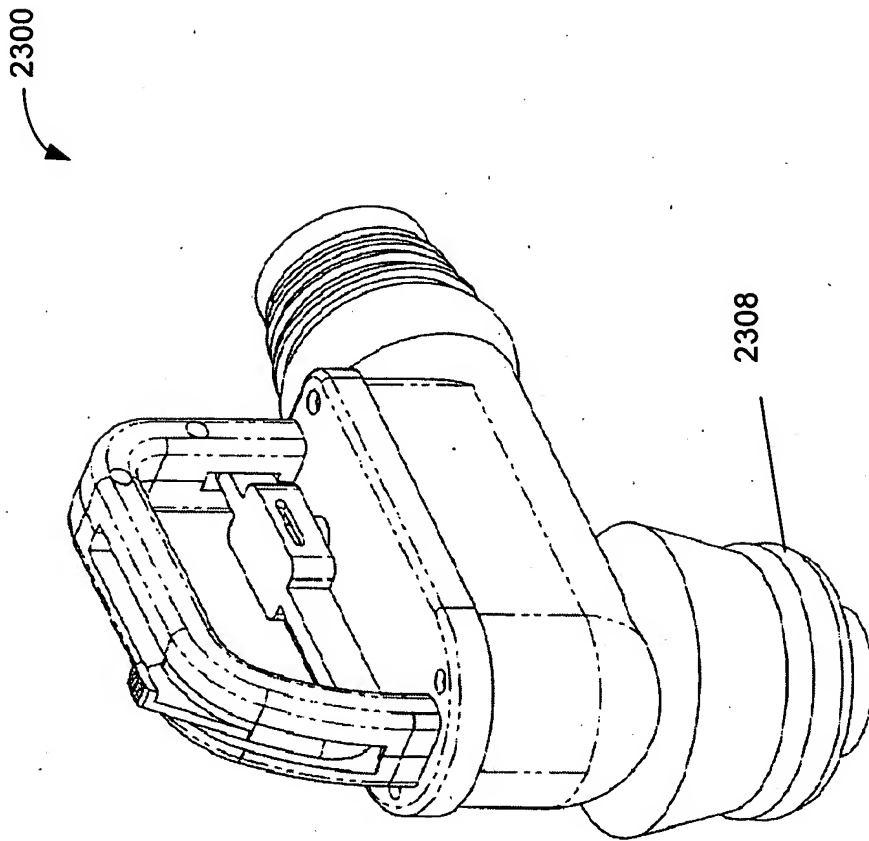


FIG. 23

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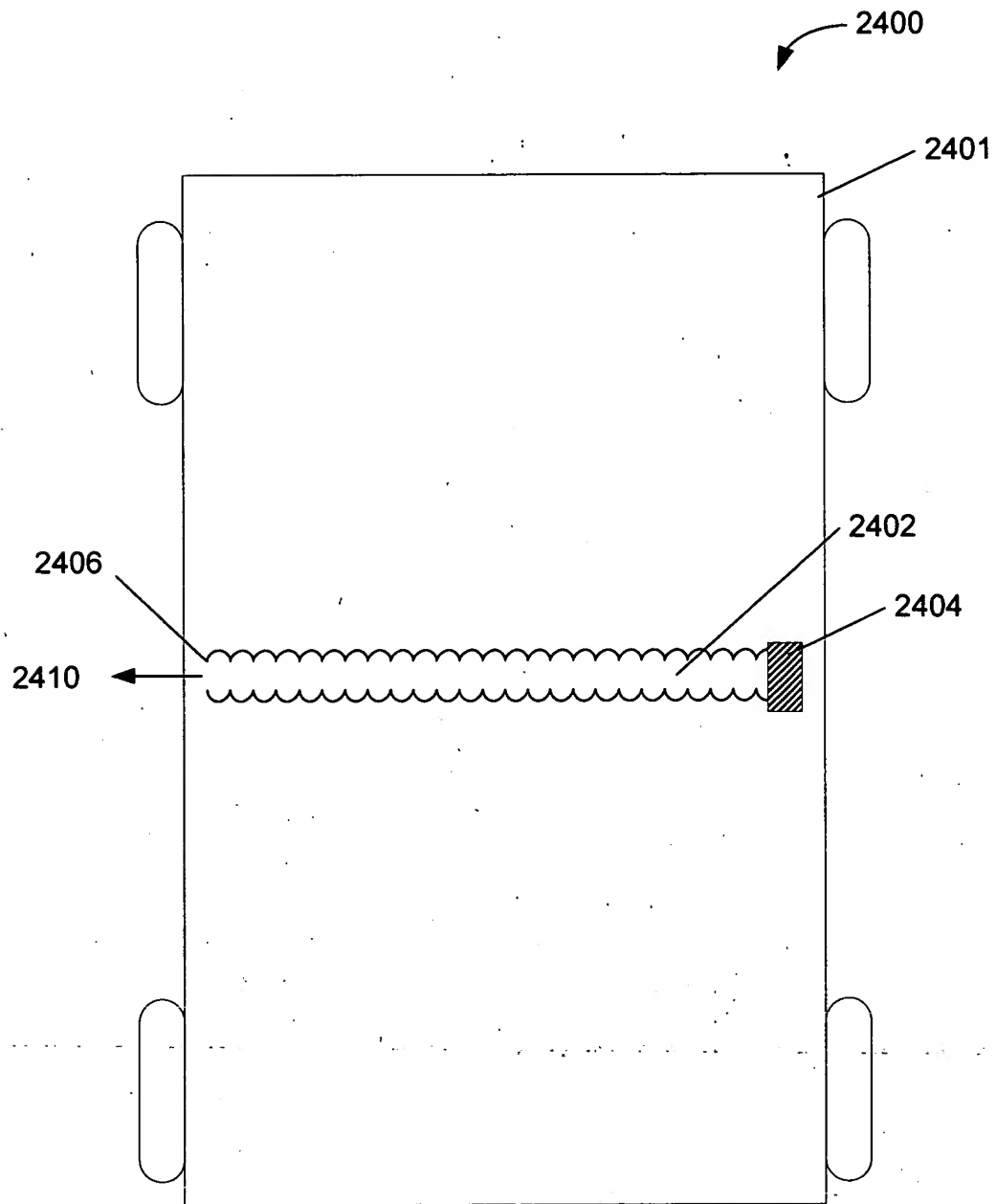


FIG. 24

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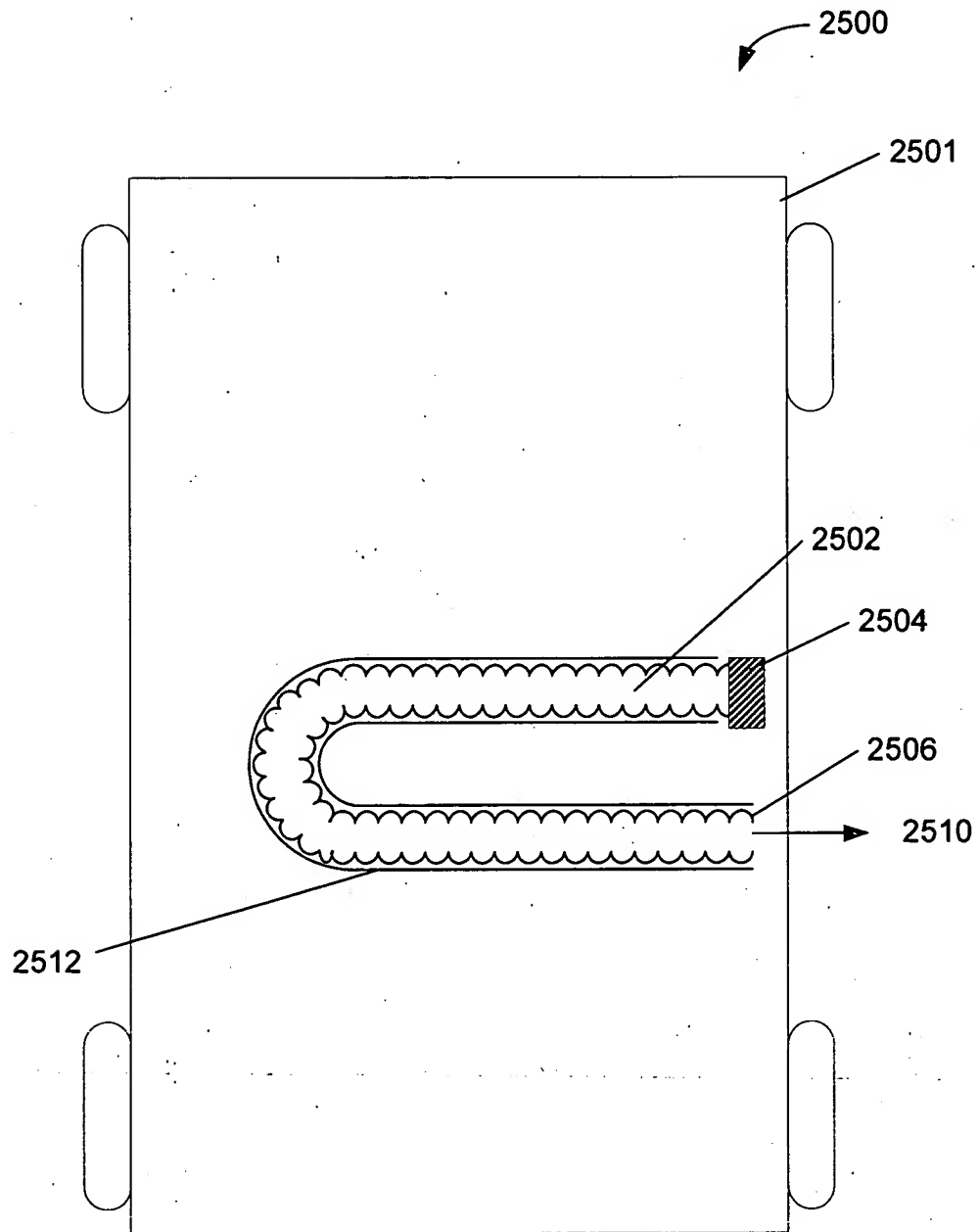


FIG. 25

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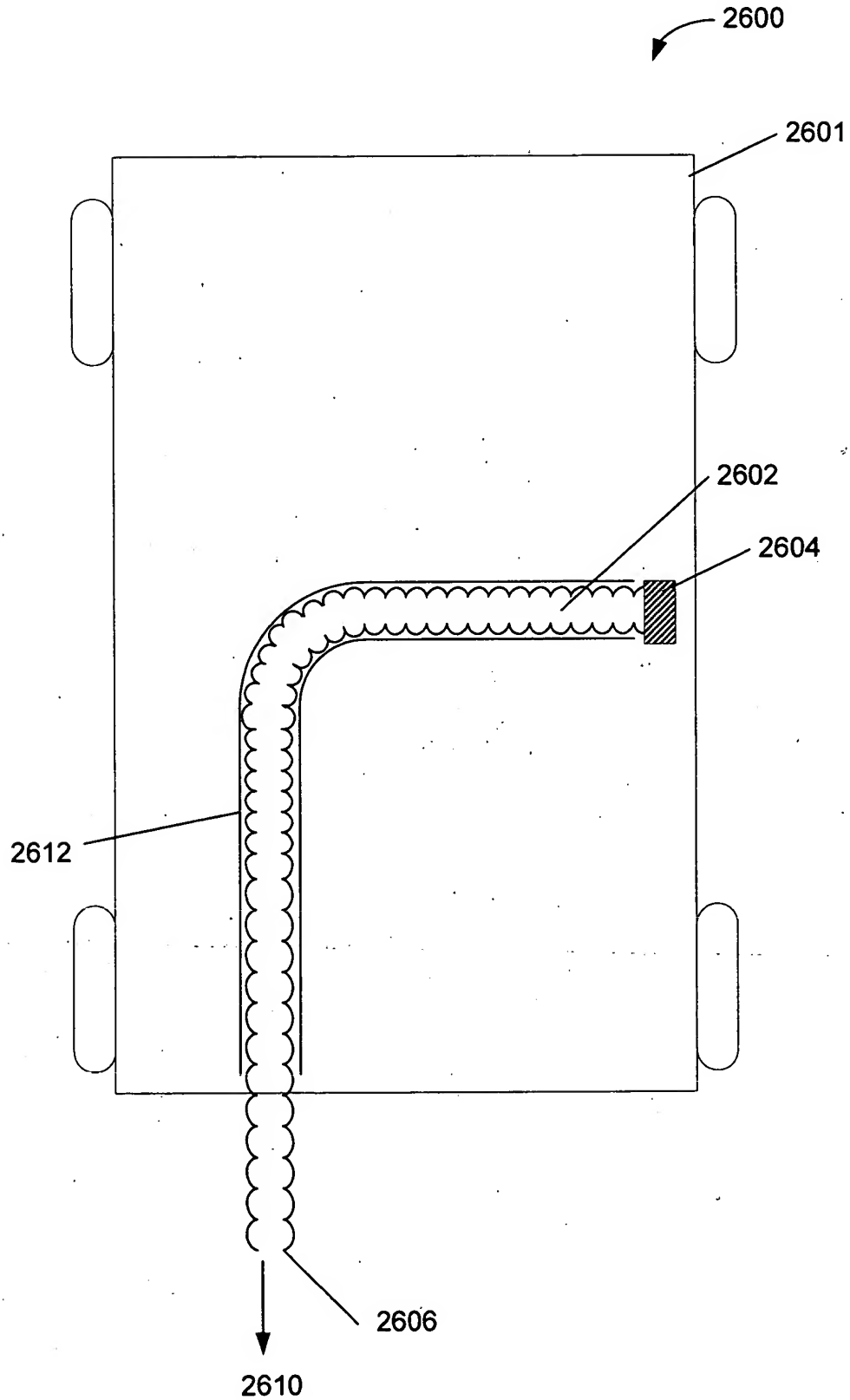


FIG. 26

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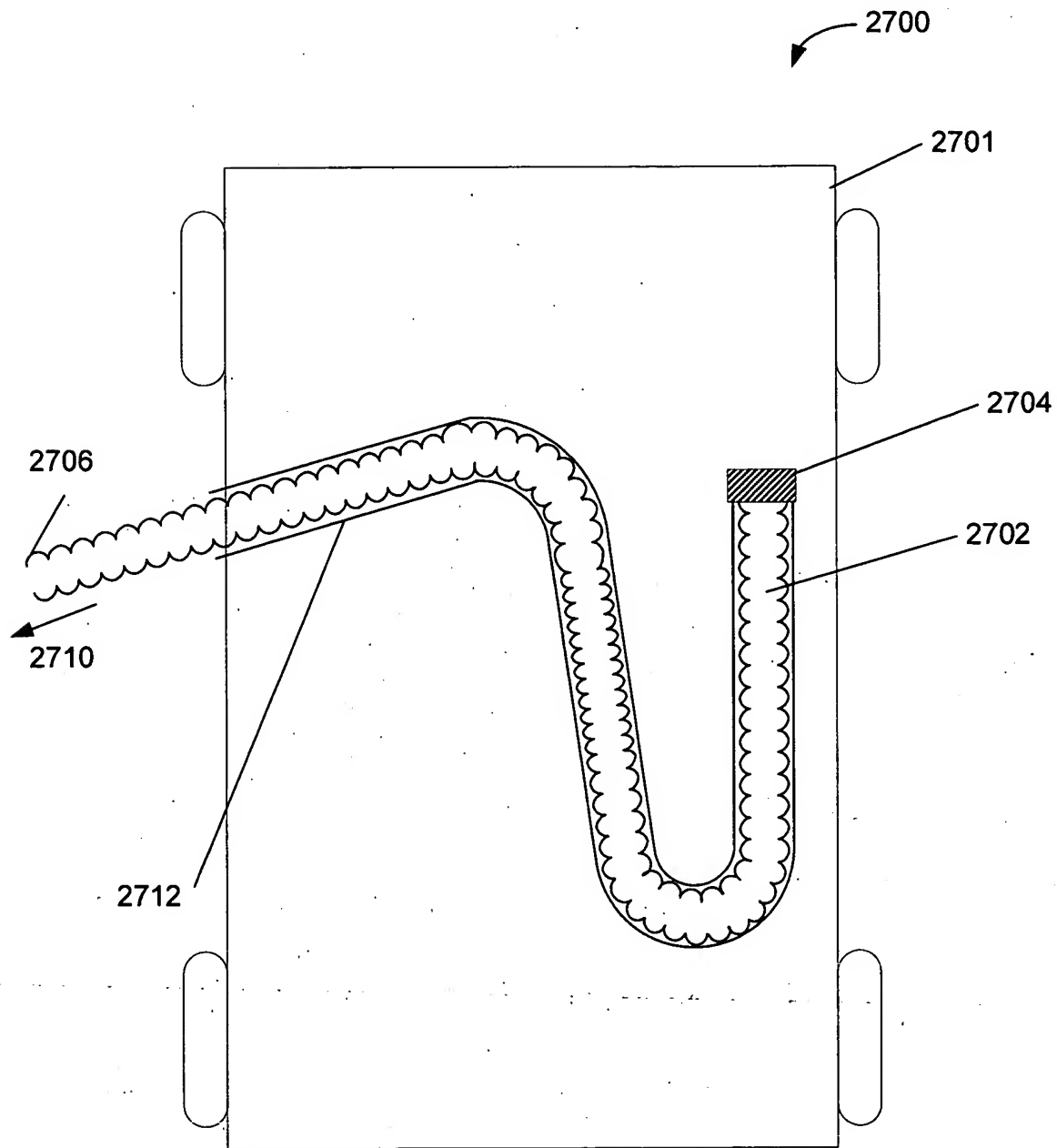


FIG. 27

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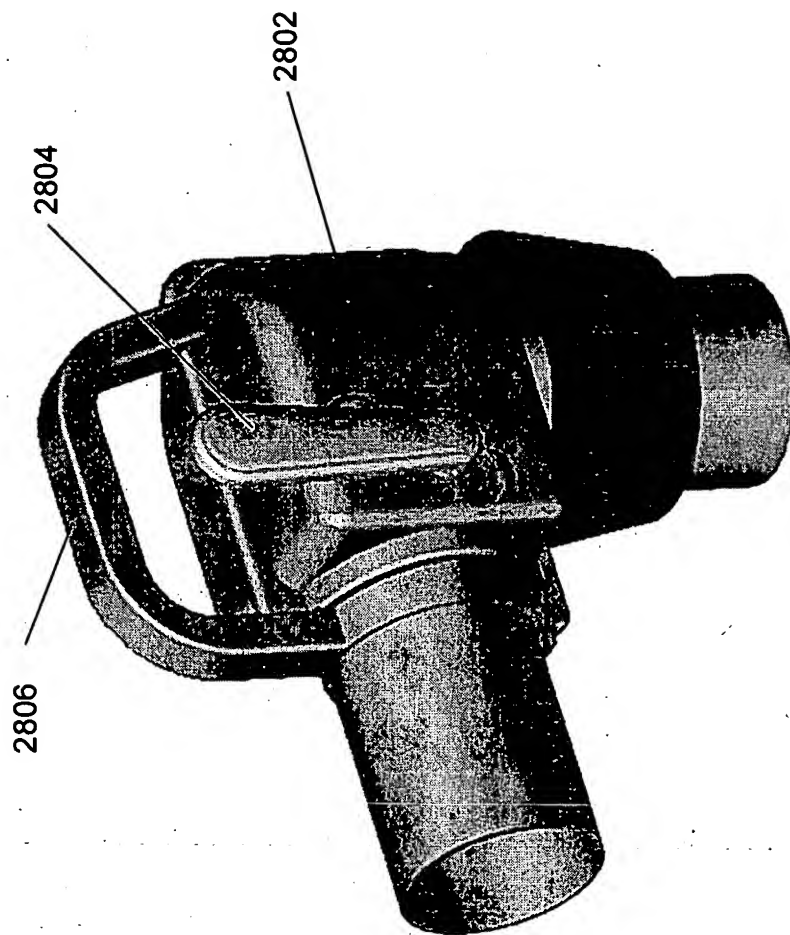


FIG. 28

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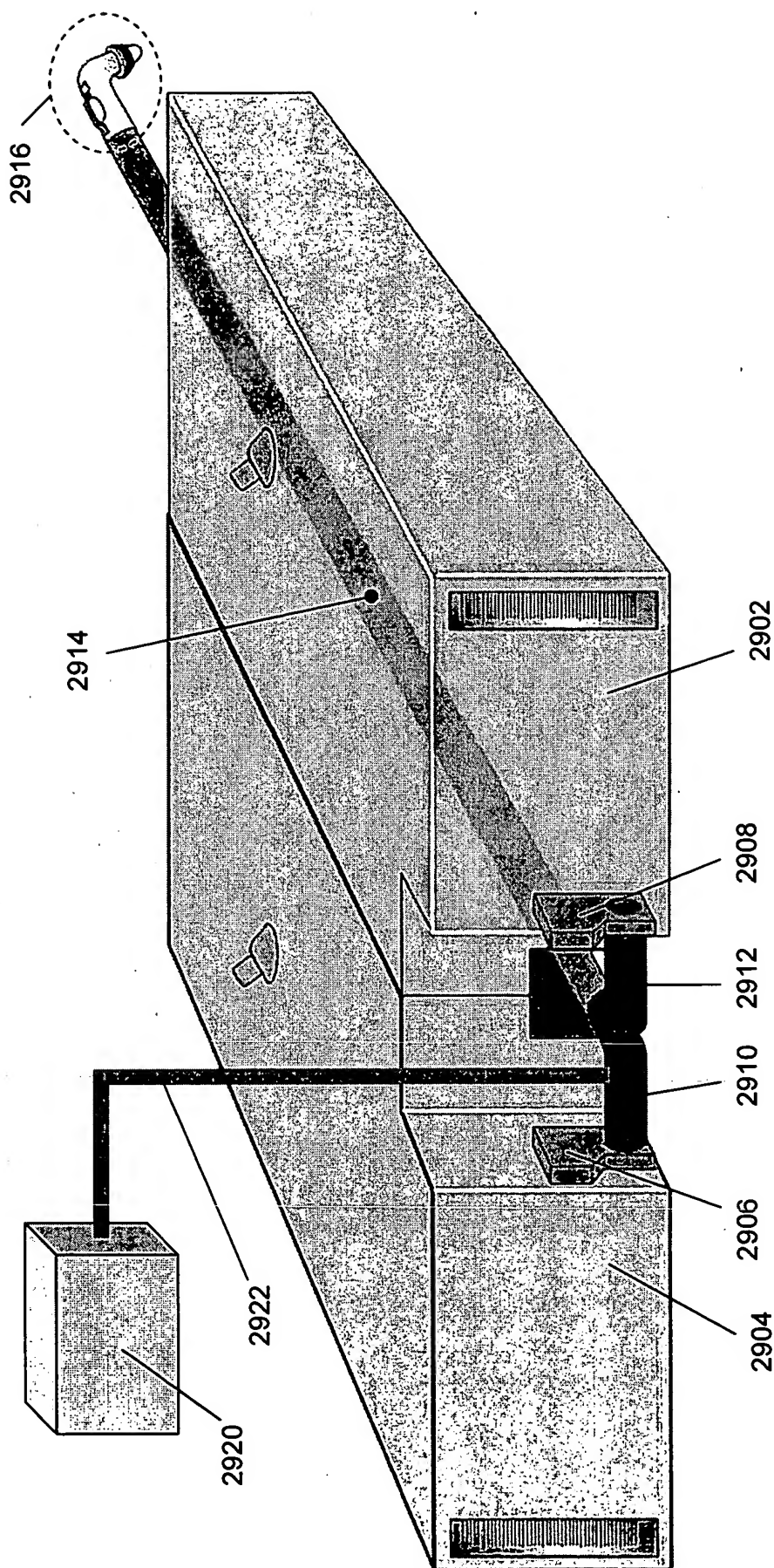


FIG. 29

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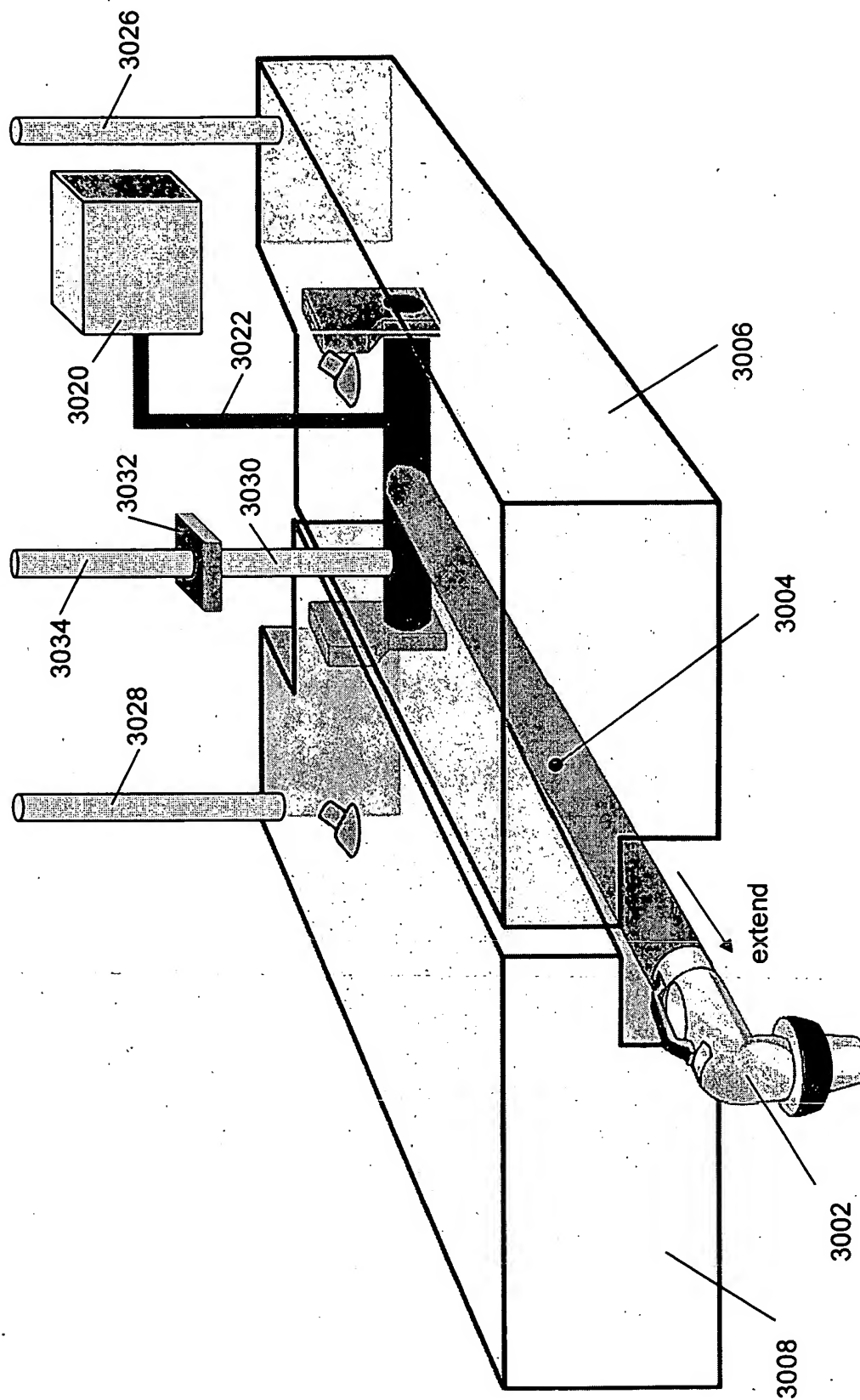


FIG. 30

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WM1 - Waste Master Components

- Hose Nozzle
- Nozzle Box
- Nozzle Box Door (optional)
- Male Fitting - (fits female)
- 25' Sewer Hose (shorter lengths available)
- Female Hose Fitting

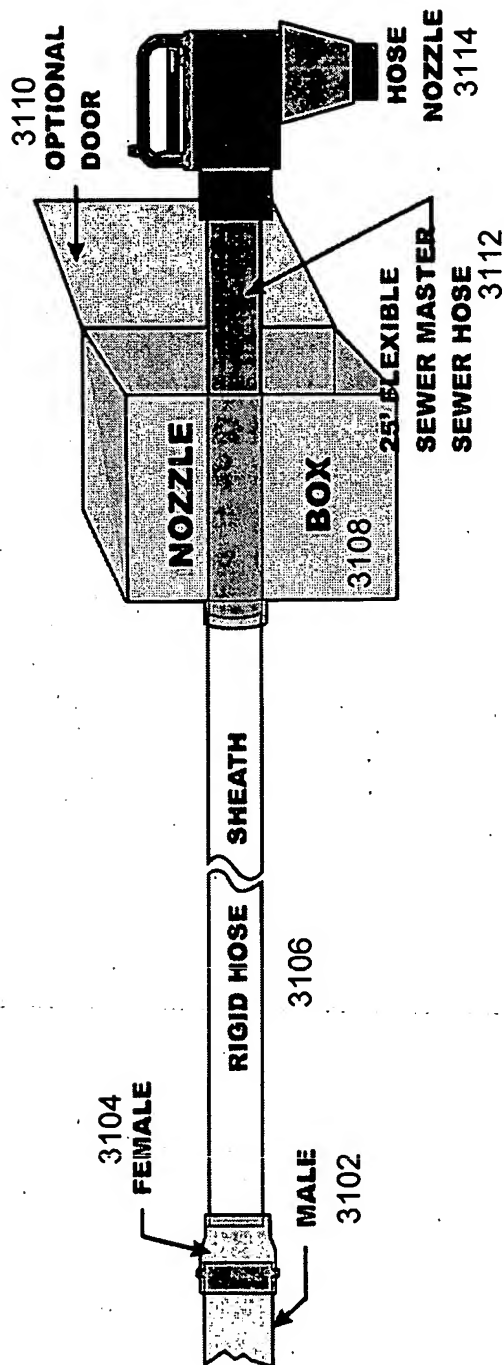


FIG. 31

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WM2 - Waste Master Components

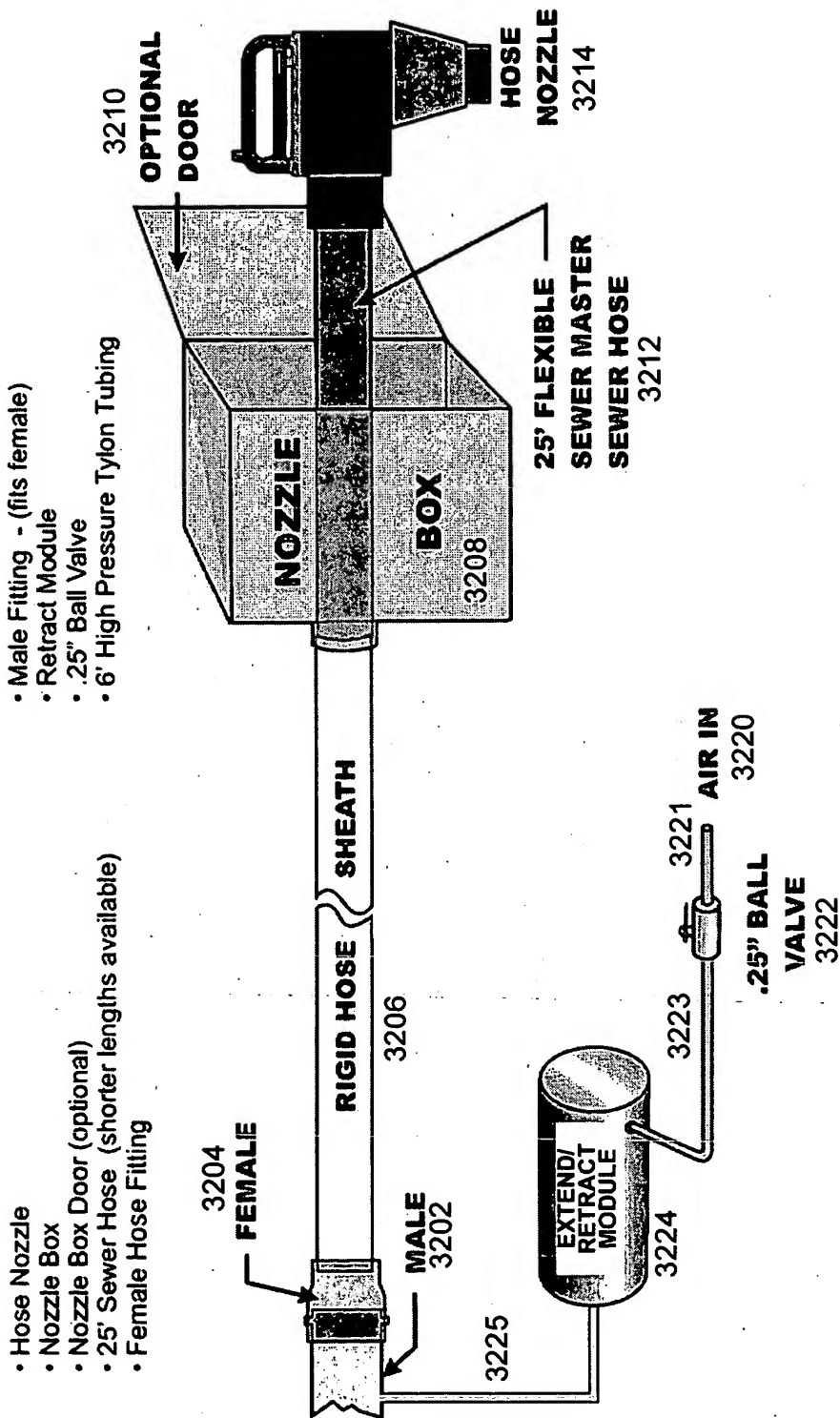


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WM3 - Waste Master Components

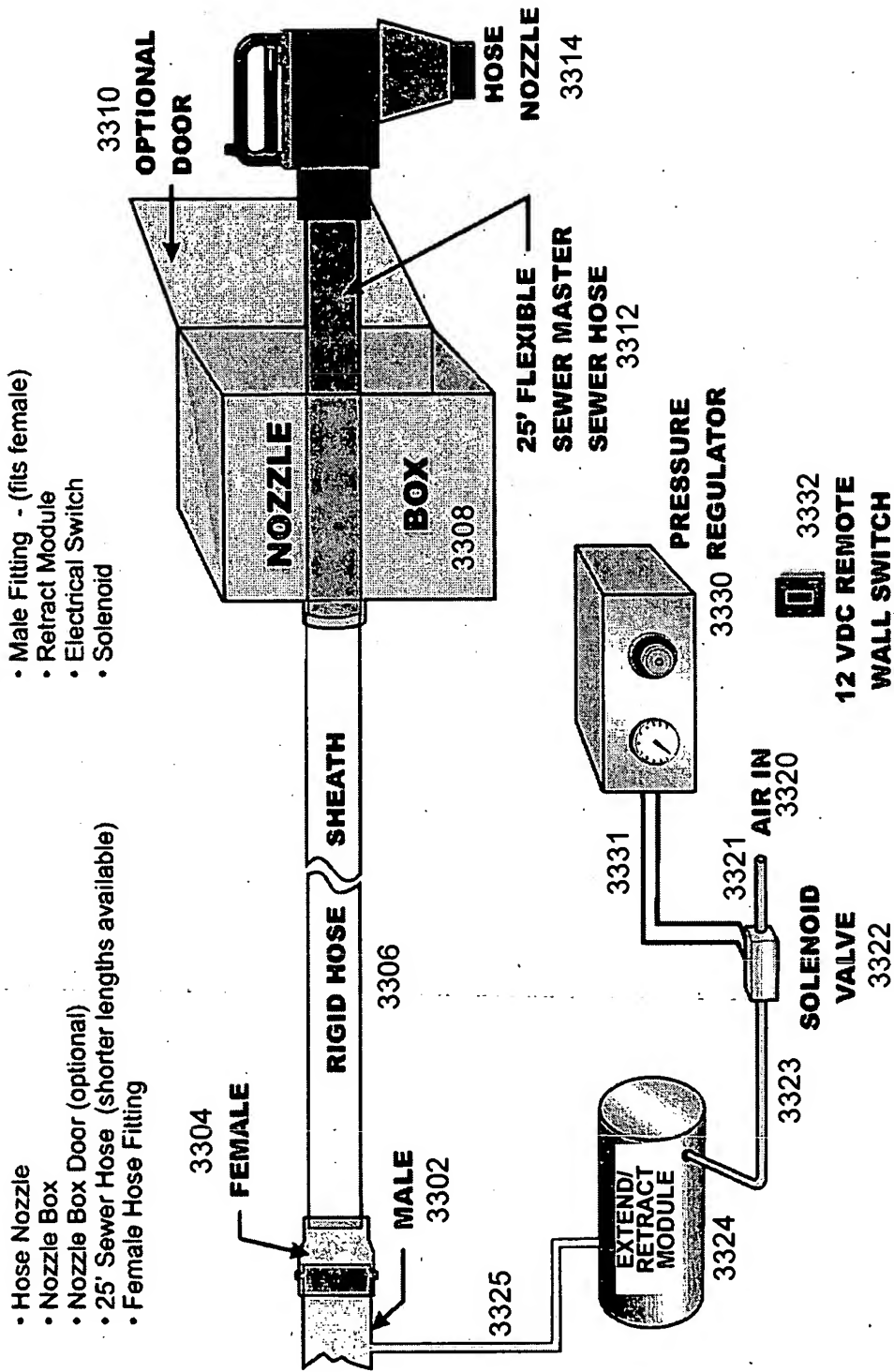


FIG. 33

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WM4 - Waste Master Components

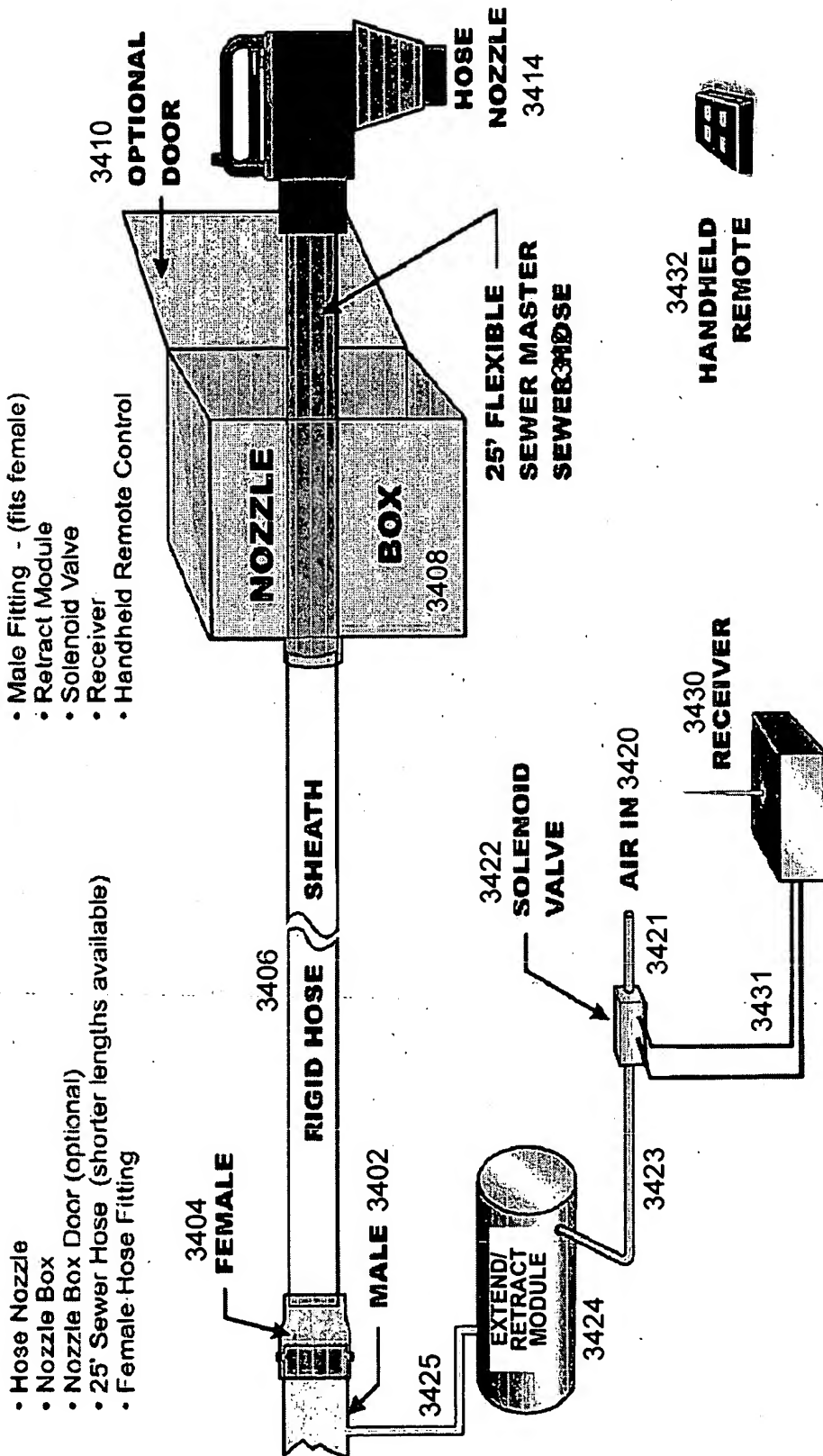


FIG. 34

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WM5 - Waste Master Components

- Hose Nozzle
- Nozzle Box
- Nozzle Box Door (optional)
- 25' Sewer Hose (shorter lengths available)
- Female Hose Fitting
- Male Fitting - (fits female)
- Extend/Retract Module
- Electrical Switch Panel with Regulator and Gauge

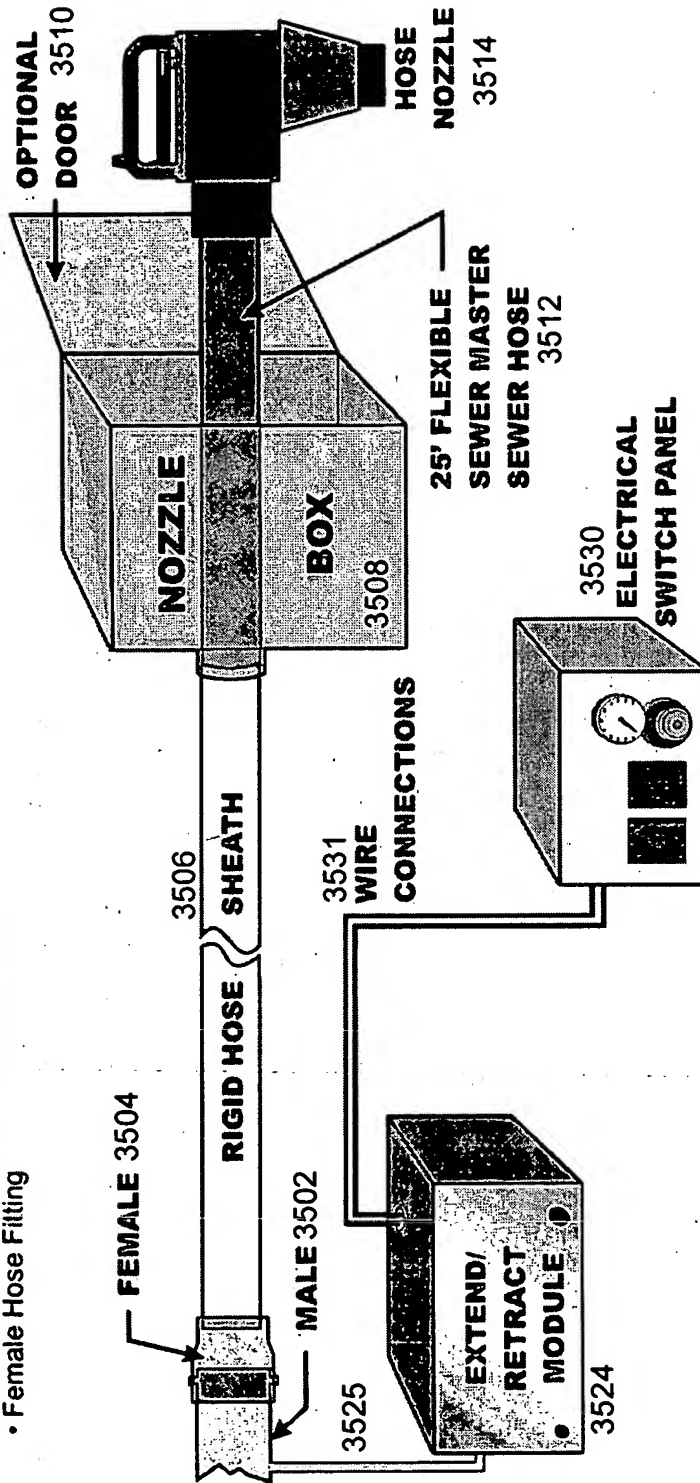


FIG. 35

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Wm6 - Waste Master Components

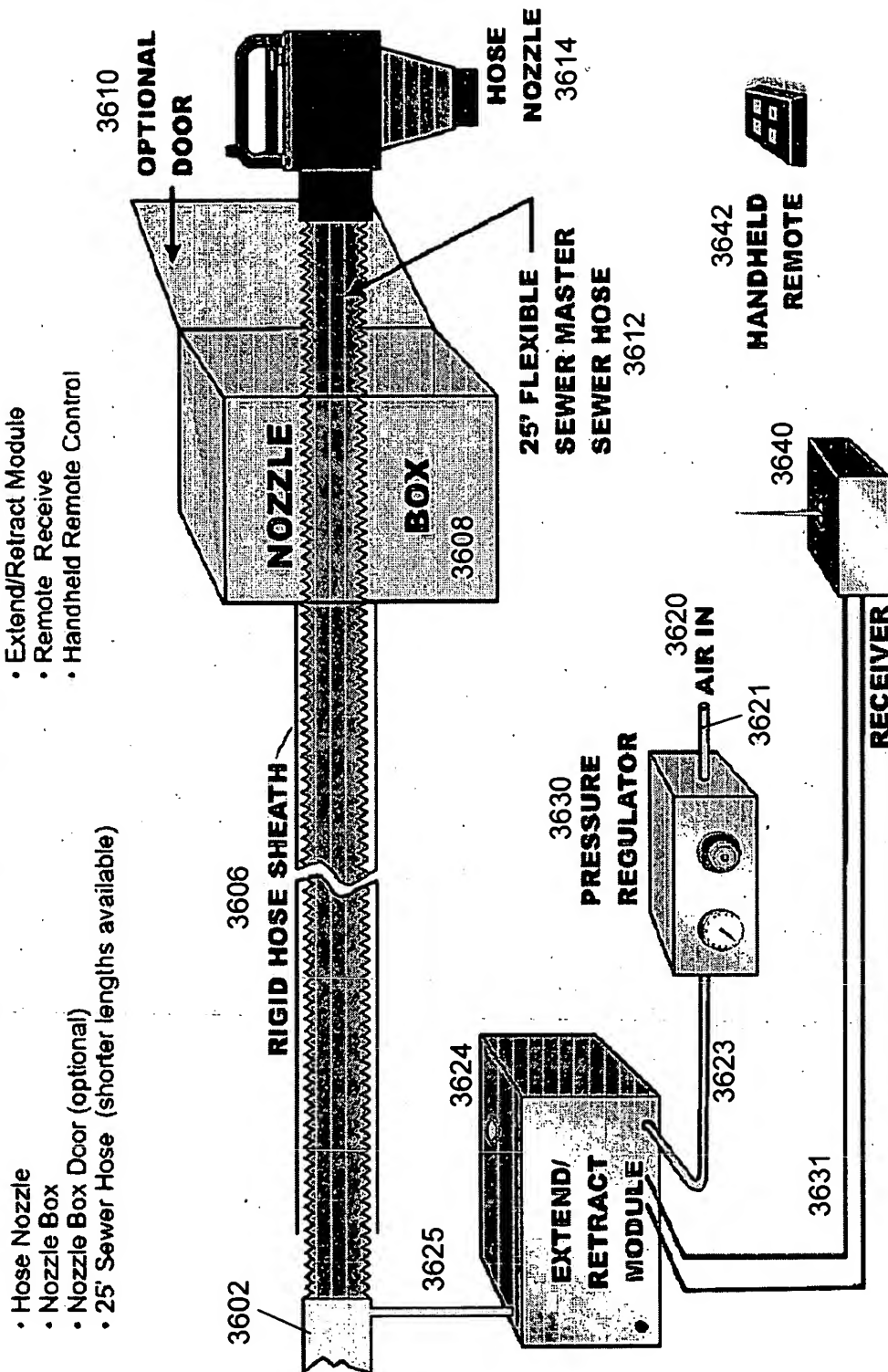


FIG. 36

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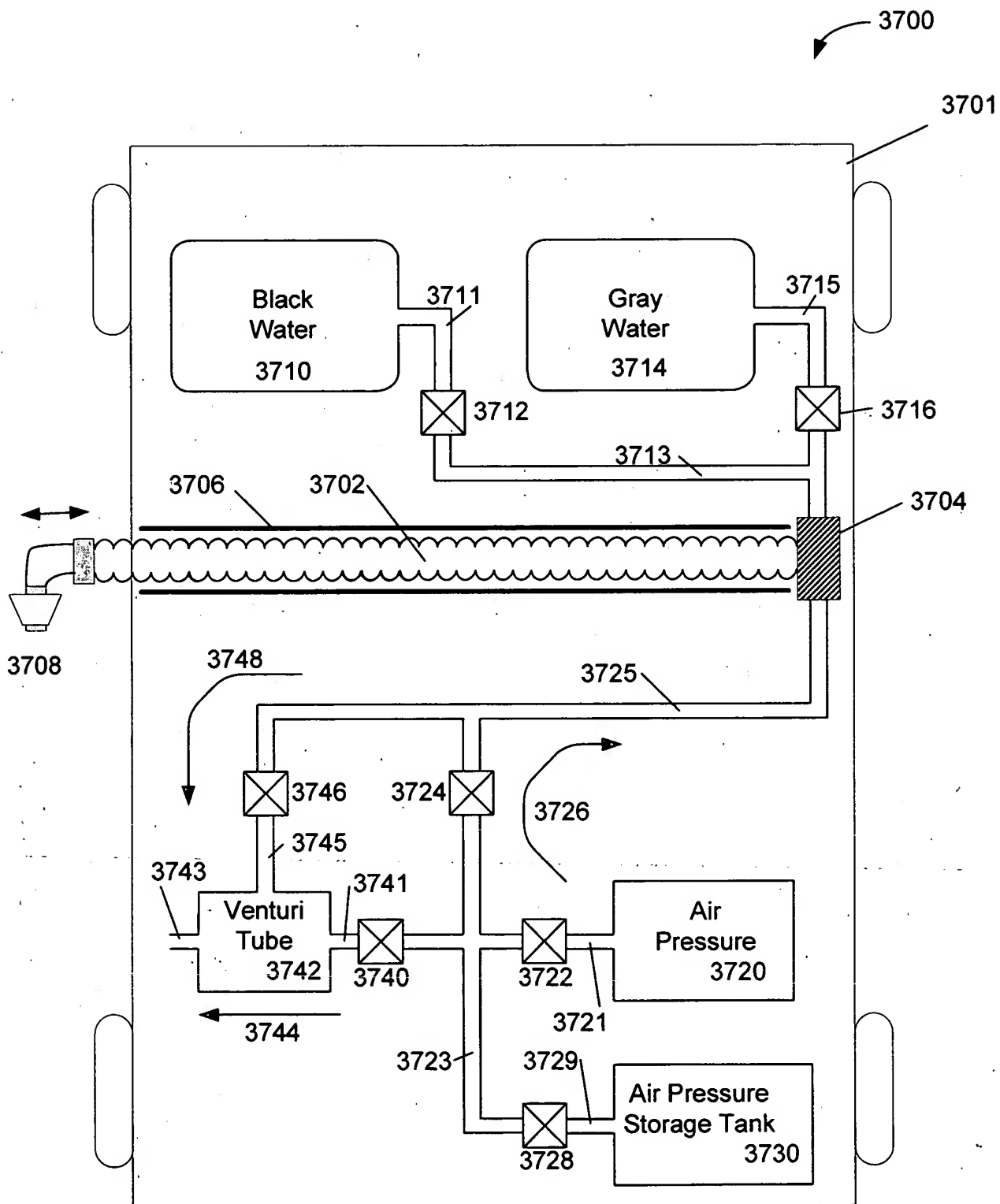


FIG. 37

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3800

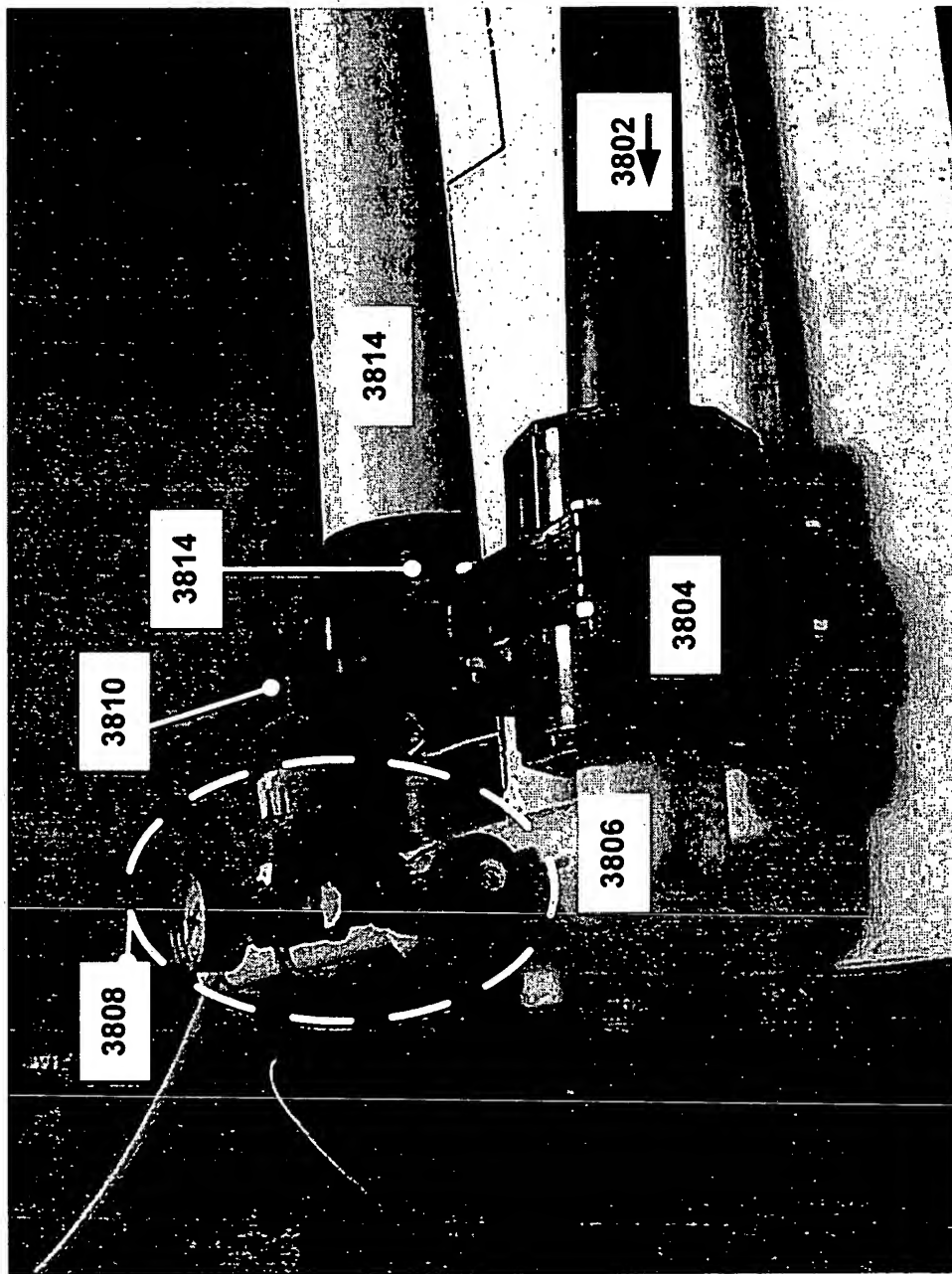


FIG. 38

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3900

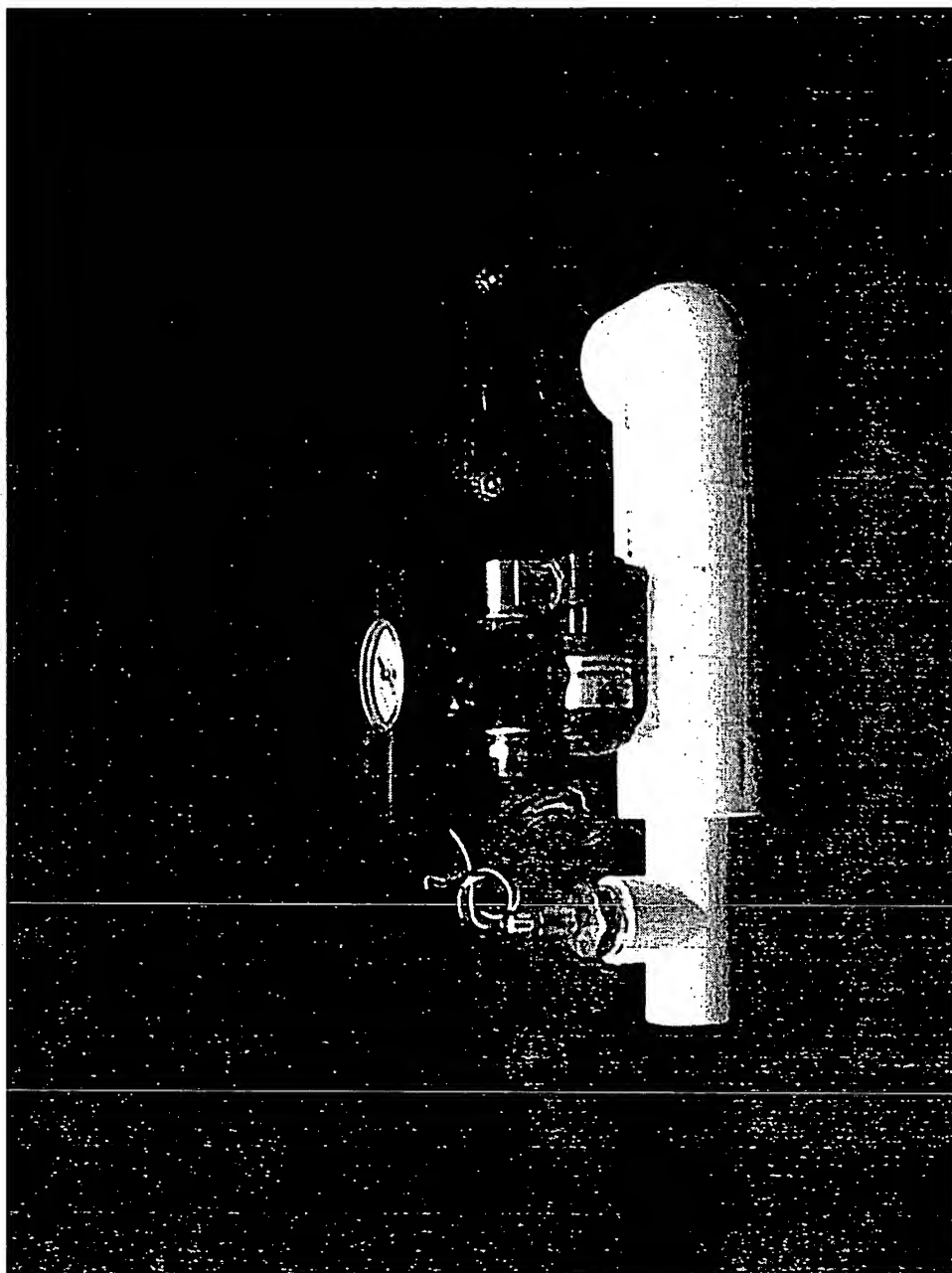


FIG. 39

Title: Waste Evacuation System for a Vehicle
Inventor: Douglas R. Swarts - Tel: 408 253 3860
Application Number: not yet assigned - Confirmation Number: not yet assigned
Express Mail: EU835610928US - Filing Date: 10/24/2003 - Docket No.: 006386.P002

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4000

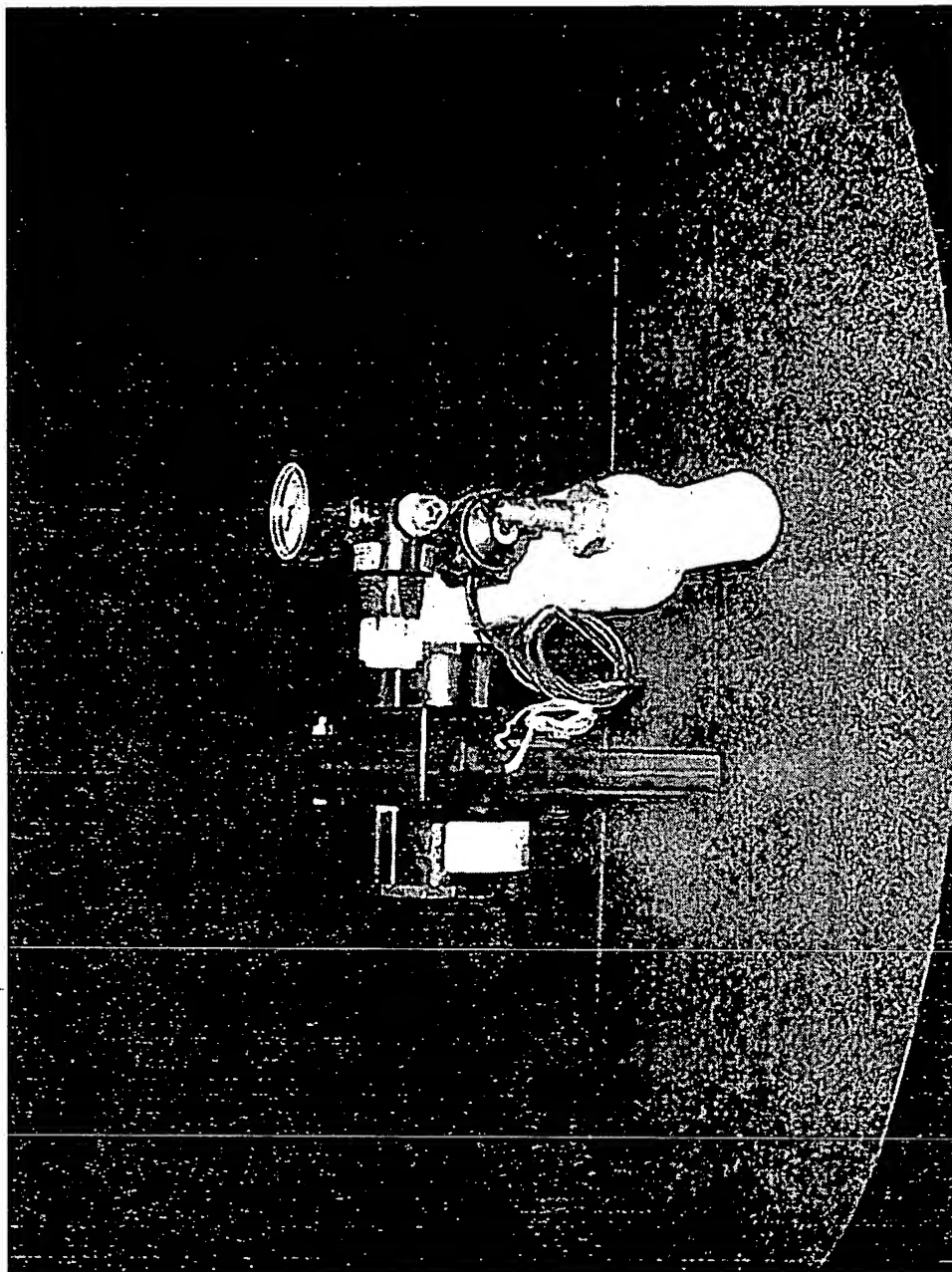


FIG. 40

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Service Bay Master

4100

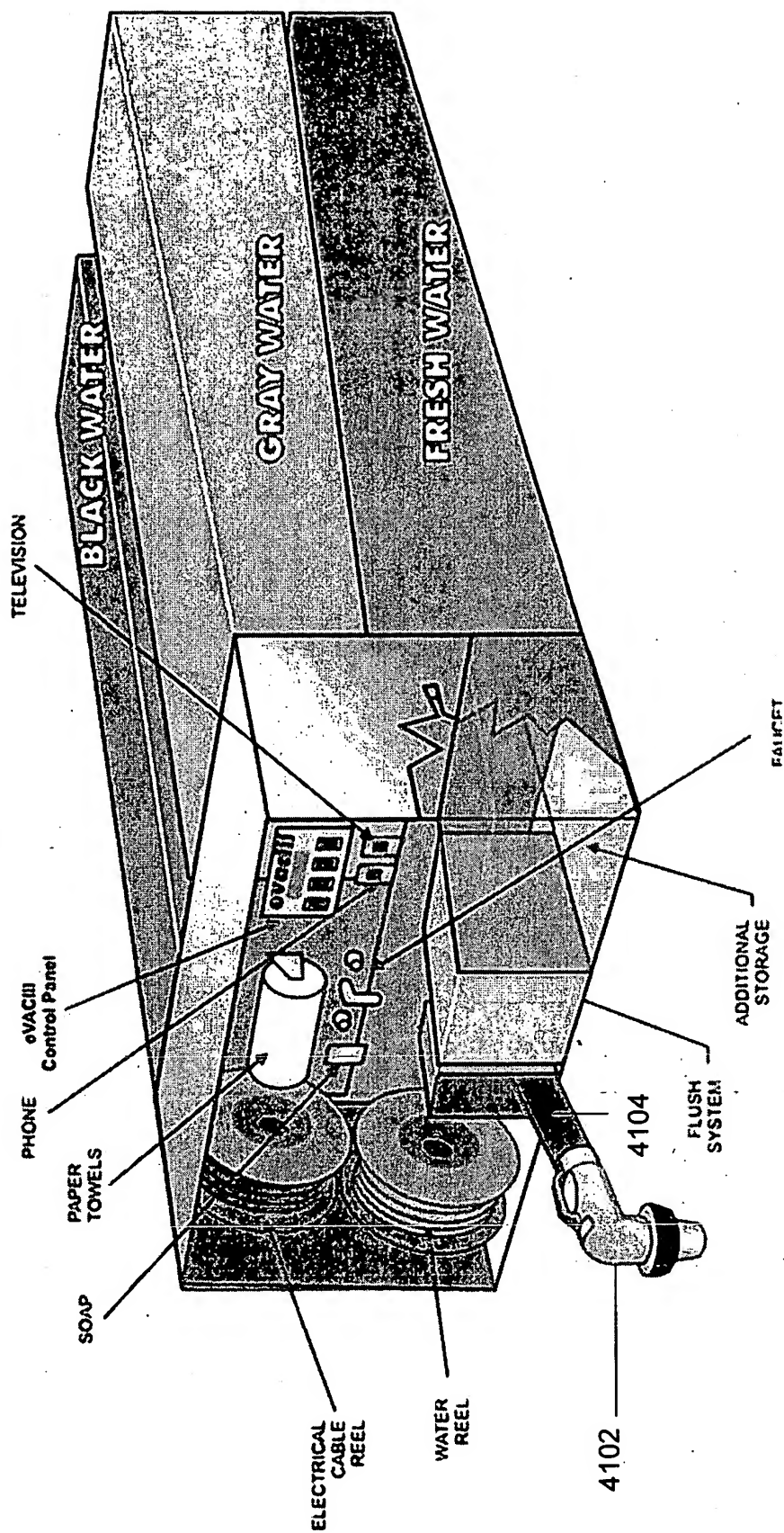


FIG. 41